

Purchase Order Receipt Listing

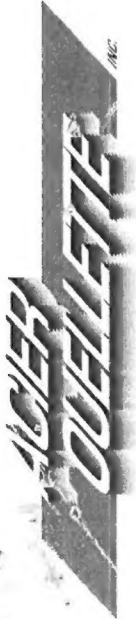
Monday, June 12, 2017 1:21:39 PM

All amounts are calculated in domestic currency.

All Vendors PO ID PO36550 Receipt Dates from 6/9/2017 to 6/9/2017 All Line Item Types
All Item ID/GL/WOs All Rec. Employees All Currencies
Grouped by Vendor ID

Purchase Order ID/ Curr Type	Line Nbr/ Insp Req	Project ID	Reference/ Description/ Cert Std	PO U/M / Stock U/M	Required Date Required Qty	Recv Date/ Recv Emp	Recv Qty (PO U/M)	Cost Per Unit/ Recv Value	Inspected Qty/ Rejected Qty (PO U/M)	MRB Qty/ MRB Reject Qty	Book Amt
Vendor ID \ Vendor Name VC-CAM002 Acier Ouellette Inc.											
PO36550	1		M1010S.125 -114 sf	sf	6/8/2017	6/9/2017	32.0000	\$1.96	0.0000	0	\$62.75
CAD	No		1010-1025 sheet .125 sf m137762	sf	32.0000	PLOU01		\$62.75	0.0000	0	
	3		M174R0.750 f	f	6/8/2017	6/9/2017	13.4000	\$6.05	0.0000	0	\$81.06
	No		17-4 round bar .750 f m137762	f	12.0000	PLOU01		\$81.06	0.0000	0	
	4		M2024T3.050 sf	sf	6/8/2017	6/9/2017	48.0000	\$5.15	0.0000	0	\$247.09
	No		2024-13 .050 sheet m137762	sf	48.0000	PLOU01		\$247.09	0.0000	0	
	5		M303R0.500 492 f	f	6/8/2017	6/9/2017	12.0000	\$1.91	0.0000	0	\$22.88
	No		303 Round Bar 0.500" f m137762	f	12.0000	PLOU01		\$22.88	0.0000	0	
	6		M304B0.250X4.000 f	f	6/8/2017	6/9/2017	12.0000	\$7.35	0.0000	0	\$88.23
	No		304 BAR .250 x 4.00 f m137762	f	12.0000	PLOU01		\$88.23	0.0000	0	
	7		M304B0.500X2.500 f	f	6/8/2017	6/9/2017	12.1000	\$9.57	0.0000	0	\$115.77
	No		304 BAR .500 x 2.50 f m137762	f	12.0000	PLOU01		\$115.77	0.0000	0	
	8		M304R1.000 497 f	f	6/8/2017	6/9/2017	12.0000	\$6.29	0.0000	0	\$75.46
	No		304 round bar 1.00 f m137762	f	12.0000	PLOU01		\$75.46	0.0000	0	
	9		M304S20GA sf	sf	6/8/2017	6/9/2017	64.0000	\$2.89	0.0000	0	\$185.28
	No		304/316 .040 Sheet m137762	sf	64.0000	PLOU01		\$185.28	0.0000	0	
	10		M6061T6B0.375X01. f	f	6/8/2017	6/9/2017	40.0000	\$0.83	0.0000	0	\$33.19
	No		6061T6 BAR .375 x 1.00 m137762	f	40.0000	PLOU01		\$33.19	0.0000	0	

Purchase Order ID/ Curr Type	Line Nbr/ Insp Req	Project ID	Reference/ Description/ Cert Std	PO U/M / Stock U/M	Required Date Required Qty	Recv Date/ Recv Emp	Recv Qty (PO U/M)	Cost Per Unit/ Recv Value	Inspected Qty/ Rejected Qty (PO U/M)	MRB Qty/ MRB Reject Qty	Book Amt
Vendor/ID/Vendor Name		VC-CAM002	Acier-Ouellette Inc.								
PO36550	11		M6061T6B1.500X02. f 500		6/8/2017	6/9/2017	12.0000	\$9.79	0.0000	0	\$117.47
CAD	No		6061-T6 Bar 1.50 x 2.50 m137762	f	12.0000	PLOU01		\$117.47	0.0000	0	
	12		M6061T6B2.000X01. f 250		6/8/2017	6/9/2017	12.0000	\$6.95	0.0000	0	\$83.35
	No		6061-T6 Bar 2.00 x 1.25 m137762	f	12.0000	PLOU01		\$83.35	0.0000	0	
	13		M6061T6R0.500 500		6/8/2017	6/9/2017	40.0000	\$0.43	0.0000	0	\$17.31
	No		6061-T6 Round Bar .500" m137762	f	40.0000	PLOU01		\$17.31	0.0000	0	
	14		M6061T6R0.563 563		6/8/2017	6/9/2017	20.0000	\$0.72	0.0000	0	\$14.44
	No		6061-T6 ROUND BAR .563 m137762	f	20.0000	PLOU01		\$14.44	0.0000	0	
	15		71401-45 PROCUREMENT QUALITY CLAUSES m137762		6/8/2017	6/9/2017	1.0000	\$0.00	0.0000	0	\$0.00
	No				1.0000	PLOU01		\$0.00	0.0000	0	
Total Received Quantity:											330.5000
Total Qty to Inspect (PO U/M):											0.0000
Total Reject Quantity:											0.0000
Total Receipt Value:											\$1,144.27
Total Balance Due Quantity:											0.0000



ACIER OUELLETTE INC.

935, Boul. du H vre
Salaberry de Valleyfield (Qu bec) J6S 5L1
T l.: 450-377-4248 M l: 514-336-4248 Ext.: 800-667-4248
Fax: 450-377-5696 M l: 514-336-4246 Ext.: 866-456-4242

DELIVERY - CLIENT

CO00033949

Customer N  CLI0001056
Date 2017/06/05
Delivery date 2017/06/09
Your order N  36550
Processed by Josianne Bourdon
Salesman
Carrier OUELLETTE VALLEYFIELD
Credit Terme NET 30

Billed to
DART AEROSPACE LTD
DART AEROSPACE LTD
1270 , ABERDEEN ST.
HAWKESBURY, Ontario, K6A 1K7

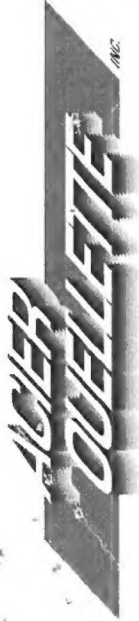
Shipped to
DART AEROSPACE LTD
, Ontario,

Att : CHANTAL LAVOIE T l.: 613-632-5200

Instruction	Product Description	Weight	Qty	U/M	PCS NB			Internal Use Only		
					CMD	EXP	B/O	IN	I	S C
1	HR SHEET 11G (4 X 8) FEH-11G48 2984 1 X 4' X 8' HEAT:	160.00	32.00	PI2_\$CLB		14				
2	ROUND SS 3/4 17-4 PH (12R) RSS-34174PH-12 NS000005076 1 X 12' HEAT:		1.00	UN_\$UN		14 13'2"				
3	ALU SHEET .051 (16G) 2024-T3 (4 X 12) FEAL-0514122024 3142 1 X 4' X 12' HEAT:	34.46	48.00	PI2_\$CLB		14 4'x12"				
4	ROUND SS 1/2 303 (12R) RSS-12303-12 5726 1 X 12' R/L HEAT:	8.00	12.00	PI_\$CLB		14 12				

NIR : R-109516-6

8217-6-12



ACIER OUELLETTE INC.

935, Boul. du Havre
Salaberry de Valleyfield (Québec) J6S 5L1
Tél.: 450-377-4248 Mtl: 514-336-4248 Ext.: 800-667-4248
Fax: 450-377-5696 Mtl: 514-336-4246 Ext.: 866-456-4242

DELIVERY - CLIENT

CO00033949

Customer N° CLI0001056
Date 2017/06/05
Delivery date **2017/06/09**
Your order N° 36550
Processed by Josianne Bourdon
Salesman
Carrier OUELLETTE VALLEYFIELD
Credit Terme NET 30
Page 2

Billed to

DART AEROSPACE LTD
DART AEROSPACE LTD
1270, ABERDEEN ST.
HAWKESBURY, Ontario, K6A 1K7

Shipped to
DART AEROSPACE LTD
, Ontario,

Att : CHANTAL LAVOIE Tél.: 613-632-5200

Instruction	F-M	Product Description	Weight	Qty	U/M	PCS NB				Internal Use Only		
						CMD	EXP	B/O	IN	I	S	C
5		FLAT SS 1/4 X 4 SS304 (12R) FSS-144-12 3521 1 X 12' R/L HEAT:	40.80	12.00	PI_\$CLB		14' 12'	✓				
6		FLAT SS 1/2 X 2 1/2 SS304 (12R) FSS-12212-12 NS000001700 1 X 12' R/L HEAT:		1.00	UN_\$UN		14" 12'	✓				
7		ROUND SS 1 304 (12R) RSS-1-12 5712 1 X 12' R/L HEAT:	32.04	12.00	PI_\$CLB		14' 12'	✓				
8		SHEET SS 20G SS304-2B (4 X 8) FESS-20G483042B 3430 2 X 4' X 8' HEAT:	100.48	64.00	PI2_\$CLB		24'	✓				

NIR : R-109516-6

8917-6-12

Next Page...

ACIER OUELLETTE INC.
935, Boul. du Havre
Salaberry de Valleyfield (Québec) J6S 5L1
Tél.: 450-377-4248 Mtl: 514-336-4248 Ext.: 800-667-4248
Fax: 450-377-5696 Mtl: 514-336-4246 Ext.: 866-456-4242

Customer N° CLI0001056
Date 2017/06/05
Delivery date 2017/06/09
Your order N° 36550

Processed by Josianne Bourdon
Salesman
Carrier OUELLETTE VALLEYFIELD
Credit Terme NET 30

Billed to
DART AEROSPACE LTD
DART AEROSPACE LTD
1270, ABERDEEN ST.
HAWKESBURY, Ontario, K6A 1K7

Shipped to
DART AEROSPACE LTD
Ontario,

Att : CHANTAL LAVOIE Tél.: 613-632-5200

Page 3

Delivery Route 5

Instruction F-M

Product Description	Qty	Weight	U/M	PCS NB			Internal Use Only			
				CMD	EXP	B/O	IN	I	S	C
9 FLAT ALU 3/8 X 1 6061-T6 (20) FAL-381-20 2610 2 X 20' HEAT:	✓	18.00	40.00 PL_\$CLB		27	✓				
10 FLAT ALU 1 1/2 X 2 1/2 6061-T6 (12) FAL-112212-12 2438 1 X 12' HEAT:	✓	52.87	12.00 PL_\$CLB		17	✓				
11 FLAT ALU 1 1/4 X 2 6061-T6 (12) FAL-1142-12 2453 1 X 12' HEAT:	✓	35.28	12.00 PL_\$CLB		17	✓				
12 ROUND ALU 1/2 6061-T6 (20) RAL-12-20 5126 2 X 20' HEAT:	✓	9.24	40.00 PL_\$CLB		27	✓				

SP17-6-12.

NIR : R-109516-6

ACIER OUELLETTE INC.
935, Boul. du Hâvre
Salaberry de Valleyfield (Québec) J6S 5L1
Tél.: 450-377-4248 Mtl: 514-336-4248 Ext.: 800-667-4248
Fax: 450-377-5696 Mtl: 514-336-4246 Ext.: 866-456-4242

Customer N° CLI0001056
Date 2017/06/05
Delivery date 2017/06/09
Your order N° 36550
Processed by Josianne Bourdon
Salesman
Carrier OUELLETTE VALLEYFIELD
Credit Terme NET 30
Page 4

Billed to
DART AEROSPACE LTD
DART AEROSPACE LTD
1270 , ABERDEEN ST.
HAWKESBURY, Ontario, K6A 1K7

Shipped to
DART AEROSPACE LTD
, Ontario,

Att : CHANTAL LAVOIE Tél.: 613-632-5200
Delivery Route 5

Instruction	Product Description	Weight	Qty	U/M	PCS NB			Internal Use Only		
					CMD	EXP	B/O	IN	I	S C
13	ROUND ALU 5/8 6061-T6 (20) RAL-58-20 1 X 20' HEAT:	7.22	20.00	PI_\$CLB		17 20				
14	PLAT SS 17-4 PH 1/4 X 4 (12) NS000005629 1 X 12' HEAT:	1.00	1.00	UN_\$UN			17			

Conditions :
All sold and delivered materials remain the property of "Acier Ouellette Inc" until payment is made in full, complete and cashed. All lost materials are at the buyer's expense. The warranty offered by "Acier Ouellette Inc." is the same as offered and honored by the manufacturer and his warranty is transferred by "Acier Ouellette Inc." to the client. The buyer hereby accepts to respect the following conditions: Net 30 days from billing date and the buyer accepts to pay administration charges of 2% per month (24% per annum) on all past due amounts over 30 days. Any default in respect with this contract will lead to payment by acceleration and permits to the seller, at his choice to claim for the balance due or the repossession of the goods sold. All claims must be made within five (5) days with this document enclosed. Any merchandise that has been damaged, cut or modified cannot be returned. All goods returned must be with our authorization and are subject to a 25% restocking charge.

Total Weight (Lbs) : 498.39
NIR : R-109516-6

Prepared By :	Verified By :	Delivered By :	Time
Customer's Signature		Date	

Total (\$CAD)

DELIVERY - USINE



ACIER OUELLETTE INC.

935, Boul. du Havre
Salaberry de Valleyfield (Québec) J6S 5L1
Tél.: 450-377-4248 Mtl: 514-336-4248 Ext.: 800-667-4248
Fax: 450-377-5696 Mtl: 514-336-4246 Ext.: 866-456-4242

Customer N°

2017/06/05

2017/06/09

36550

Josianne Bourdon

OUELLETTE VALLEYFIELD

NET 30

1

Billed to

DART AEROSPACE LTD
DART AEROSPACE LTD
1270, ABERDEEN ST.
HAWKESBURY, Ontario, K6A 1K7

Shipped to

DART AEROSPACE LTD
Ontario,

Att : CHANTAL LAVOIE Tél.: 613-632-5200

Delivery Route 5

Instruction F-M

Instruction	Product Description	Weight	Qty	U/M	PCS NB			Internal Use Only		
					CMD	EXP	B/O	IN	I	S C
1	HR SHEET 11G (4 X 8) FBH-11G48 2984 1 X 4' X 8' HEAT: 742315	160.00	32.00	PI2_\$CLB						
2	ROUND SS 3/4 17-4 PH (12R) RSS-34174PH-12 NS00005076 1 X 12' HEAT: SC2917-E30	1.00	UN_\$UN							
3	ALU SHEET .051 (16G) 2024-T3 (4 X 12) FEAL-0514122024 3142 1 X 4' X 12' HEAT: 01/0067462/5	34.46	48.00	PI2_\$CLB						
4	ROUND SS 172-303 (12R) RSS-12303-12 5726 1 X 12' R/L HEAT: 427059	8.00	12.00	PI_\$CLB						

PAR E-MAIL LE 08 JUIN 2007

NIR : R-109516-6



DELIVERY - USINE

CO00033949

ACIER OUELLETTE INC.

935, Boul. du Havre
Salaberry de Valleyfield (Québec) J6S 5L1
Tél.: 450-377-4248 Mtl: 514-336-4248 Ext.: 800-667-4248
Fax: 450-377-5696 Mtl: 514-336-4246 Ext.: 866-456-4242

Customer N°

CLI0001056

Date

2017/06/05

Delivery date

2017/06/09

Your order N°

36550

Billed to

DART AEROSPACE LTD
DART AEROSPACE LTD
1270, ABERDEEN ST.
HAWKESBURY, Ontario, K6A 1K7

Shipped to

DART AEROSPACE LTD
,
Ontario,

Processed by

Josianne Bourdon

Salesman

Carrier

OUELLETTE VALLEYFIELD

Credit Terme

NET 30

Alt : CHANTAL LAVOIE Tél.: 613-632-5200

Page

2

Delivery Route

5

Instruction	F-M	Product Description	Weight	Qty	U/M	PCS NB				Internal Use Only			
						CMD	EXP	B/O	IN	I	S	C	OUT
5		FLAT SS 1/4 X 4 SS304 (12R) FSS-144-12 3521 1 X 12' R/L HEAT:512698	40.80	12.00	PL \$CLB								
6		FLAT SS 1/2 X 2 1/2 SS304 (12R) FSS-12212-12 NS00001700 1 X 12' R/L HEAT:TR01381		1.00	UN \$UN								
7		ROUND SS 1 304 (12R) RSS-1-12 5712 1 X 12' R/L HEAT:Y9X8	32.04	12.00	PL \$CLB								
8		SHEET SS 20G SS304-2B (4 X 8) FESS-20G4830428 3430 2 X 4' X 8' HEAT:222X	100.48	64.00	PL \$CLB								

NUR : R-109516-6

Next Page...



DELIVERY - USINE

CO00033949

ACIER OUELLETTE INC.

935, Boul. du Hâvre
Salaberry de Valleyfield (Québec) J6S 5L1
Tél.: 450-377-4248 Mtl: 514-336-4248 Ext.: 800-667-4248
Fax: 450-377-5696 Mtl: 514-336-4246 Ext.: 866-456-4242

Customer N°

CLI0001056

Date

2017/06/05

Delivery date

2017/06/09

Your order N°

36550

Billed to

DART AEROSPACE LTD
DART AEROSPACE LTD
1270, ABERDEEN ST.
HAWKESBURY, Ontario, K6A 1K7

Shipped to

DART AEROSPACE LTD
,
Ontario,

Processed by

Josianne Bourdon

Salesman

CARRIER OUELLETTE VALLEYFIELD

Credit Terme

NET 30

Att : CHANTAL LAVOIE Tél.: 613-632-5200

Page

3

Instruction F-M

Delivery Route 5

Product Description	Weight	Qty	U/M	PCS NB			Internal Use Only			
				CMD	EXP	B/O	IN	I	S	C
9 FLAT ALU 3/8 X 1 6061-T6 (20) FAL-381-20 2610 2 X 20' HEAT:13121091A	18.00	40.00	PI_\$CLB							
10 FLAT ALU 1 1/2 X 2 1/2 6061-T6 (12) FAL-112212-12 2438 1 X 12' HEAT:11091602	52.87	12.00	PI_\$CLB							
11 FLAT ALU 1 1/4 X 2 6061-T6 (12) FAL-1142-12 2453 1 X 12' HEAT:105660	35.28	12.00	PI_\$CLB							
12 ROUND ALU 1/2 6061-T6 (20) RAL-12-20 5126 2 X 20' HEAT:68724	9.24	40.00	PI_\$CLB							

NIR : R-109516-6

Next Page...

DELIVERY - USINE

ACIER OUELLETTE INC.

935, Boul. du Havre
 Salaberry de Valleyfield (Québec) J6S 5L1
 Tél.: 450-377-4248 Mtl: 514-336-4248 Ext.: 800-667-4248
 Fax: 450-377-5696 Mtl: 514-336-4246 Ext.: 866-456-4242

Customer N° CLI0001056

Date 2017/06/05

Delivery date 2017/06/09

Your order N° 36550

Processed by Josianne Bourdon

Salesman

Carrier OUELLETTE VALLEYFIELD

Credit Terme NET 30

Page 4

Billed to

DART AEROSPACE LTD
 DART AEROSPACE LTD
 1270, ABERDEEN ST.
 HAWKESBURY, Ontario, K6A 1K7

Shipped to

DART AEROSPACE LTD
 , Ontario,

Att : CHANTAL LAVOIE Tél.: 613-632-5200

Delivery Route 5

Instruction F-M

Product Description	Weight	Qty	U/M	PCS NB			Internal Use Only			
				CMD	EXP	B/O	IN	I	S	OUT
13 ROUND ALU 5/8 6061-T6 (20) RAL-58-20 5168 1 X 20" HEAT:66092	7.22	20.00	PL_\$CLB							
14 PLAT SS 17-4 PH 1/4 X 4 (12) NS00005629 1 X 12" HEAT:	1.00	1.00	UN_\$UN							

Total Weight (Lbs): 498.39

NIR : R-109516-6

Conditions :
 All sold and delivered materials remain the property of "Acier Ouellette Inc" until payment is made in full, complete and cashed. All lost materials are at the buyer's expense. The warranty offered by "Acier Ouellette Inc." is the same as offered and honored by the manufacturer and his warranty is transferred by "Acier Ouellette Inc." to the client. The buyer hereby accepts to respect the following conditions: Net 30 days from billing date and the buyer accepts to pay administration charges of 2% per month (24% per annum) on all past due amounts over 30 days. Any default in respect with this contract will lead to payment by acceleration and permits to the seller, at his choice to claim for the balance due or the repossession of the goods sold. All claims must be made within five (5) days with this document enclosed. Any merchandise that has been damaged, cut or modified cannot be returned. All goods returned must be with our authorization and are subject to a 25% resending charge.

Total (\$CAD)

Prepared By :	Verified By :	Delivered By :	Time

Customer's Signature

Date

Y M D

28/11/2015

TEL - 11948
FEH-116410

AC 1880 Colley 298447550
298447547
20

Accelom-Hittal Dofasco G.P.
P.O. Box 2468
Hamilton, Ontario
L8N 3J5

Purchase Order/Bon de Commande
G 46214 NOV
Bill of Lading/Connaissance
417856

Sold To/Vendu A
LES ACTIERS TRANSPEC (1997) LTÉE
4054 LE COMBUSTIBLE, SUITE 202
LAVAL, QC
H7L 5A2

Spec/Note et Spec
ASTM A3011/A3012M CS TYPE B (16)
STANDARD THICKNESS TOLERANCE
STANDARD UNEXPOSED SURFACE
MATERIAL CERTIFICATION REQUIRED

Printable Test Report

TEST REPORT
RAPPORT D'ESSAI

Attention: [NAME]
Fax: [FAX]
Date: 11/21/2016

Page 1 of 1

Customer/Client
612595
Sales Order/Bon de Commande
HS2 368544883
Vendor/Vendeur
Packing Slip/Bordereau de Charge
Vehicle or Carrier/Vehicule ou Transporteur

Ship To/Expédier A
COILEX - VARENNES
350 RUE JEAN COUTU, SUITE DOOR #1
VARENNES, QC
J5X 0E1

CORNER DE L'ENERGIE/JEAN COUTU
Material Description/Description du Matériau
HOT ROLLED STEEL SHEET
COMMERCIAL STEEL
COILS

MILL EDGE PLAIN SKY
1150 MM 1236 X 48 X COIL
WEIGHT: 43840 LBS

Country of Origin/Pays d'origine
Canada
Test Methods/Methods d'Essai
ASTM E18019, E415

HEAT Chemical Testing performed by an ISO/IEC 17025 certified laboratory

COULEE	C	IN	F	S	SI	Q	M	C	IN	MM	AL	CH	V	TI	CO	N	B	N
742035	04	15	005	012	007	04	02	02	002	004	033	093	082	003	005	0001	0073	0002

SERIAL NUMBER
VARENNES DE SERIE
L85815/00
LIFE #
FAR28U
3618215

We Certify That The Material Described Herein Conforms To The Specification Shown On This Document
Arcalon-Mittal Dorasco G.P. as per Lesley Taggart - CMTL Supervisor

The Results Relate Only To The Items Tested
This Report Shall Not Be Reproduced Except In Full Without The Expressed Written Approval of The CMTL Supervisor.

This Contract Is Subject To The Terms And Conditions Of Sale Shown On The Order Acknowledgement.

Ce Contrat est Sujet aux Termes et Conditions de Vente Indiqués Sur l'Accusé de Réception de Commande.

CO. 33949

cl. 1056

Dart

Certificate of Mill Test Results

ACIER OUTLETTE DIV. VALLEYFIELD
 BARRE RONDE ACIER INOX 17-4 STAINLESS
 .75" DIA X 145.0000"
 PART NO.

PO/Ref AC00006527

Nous certifions que le document reproduit ici est
 une copie conforme du rapport fourni par le
 fournisseur du matériel ou les données résultent

de l'analyse faite par un laboratoire qualifié.
 SIGNE PAR: *BW*

BL VIM-S11908-001

6/Jan/17

Pg 1/2



GLORIA MATERIAL TECHNOLOGY CORP.

台南市新營區新中路35號
 NO. 35, HSIN CHUNG RD., HSIN YING,
 TAIWAN, TAIWAN
 TEL: 886-6-6520031
 FAX: 886-6-6520088

INSPECTION CERTIFICATE

Messrs: Fidelity PAC Metals Ltd.

Order No: 2012009654

FILE NO: 2013001084-A

Grade: 17-4 ANN

Size: 3/4"

HEAT-Lot No: SC2917-E30

Condition: HR-Solution Annealed-Ground

P.O.NO.: P002273

Date: 02/28/2013

Weight: 1060.0KG 2336.90LB

P'cs: 118

Chemical Composition (wt%)

	C	Si	Mn	P	S	Ni	Cr
Min.						3.00	15.00
Max.	0.07	1.00	1.00	0.04	0.03	5.00	17.50
Result	0.02	0.46	0.63	0.03	<0.01	4.41	15.06
	Mo	Cu	Nb+Ta				
Min.		3.00	0.15				
Max.	0.50	5.00	0.45				
Result	0.12	3.46	0.21				

Mechanical Properties Spec.

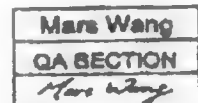
	Hardness	Grain Size	Delta-Ferrite
		ASTM E112	AMS 2315
Spec. Min.	1/2R	T	L
Spec. Max.	353HBM		5%
Result	325HBM	8	0.3%

H900 Hardness (Ave)

Spec. Min.	1/2R L
Spec. Max.	40HRC
Result	44HRC

Tensile Test

	Elongation(A)	Tensile Strength(Rm)	Yield Strength(0.2% Rp)	Reduction of Area(Z)
	1/2R L	1/2R L	1/2R L	1/2R L
	(Ave)	(Ave)	(Ave)	(Ave)
Unit	%	KSI	KSI	%
Min.	10	190	170	40
Max.				
Result	15	202	179	56



Page 1 of 2

Our quality and environment management systems have been certified by AS9100, ISO9001 QMS, ISO14001 EMS, OHSAS18001 OHS, and NADCAP.
 We hereby certify that the material described herein has been manufactured and tested with satisfactory results in accordance with
 the requirement of the above material specification. Inspection Certificate comply with EN 10204 3.1.

Certificate of Mill Test Results

ACIER OUELLETTE DIV. VALLEYFIELD
BÂTE RONDE ACIER INOX 17-4 STAINLESS
750" DIA X 145.000"
PART NO.

PO/Ref AC00006527

Nous certifions que le document reproduit ici est
une copie conforme du rapport fourni par le
fournisseur du matériel ou les données résultent

de l'analyse faite par un laboratoire qualifié.
SIGNE PAR:

BL VIM-511908-001

6Jun17

Pg 2/2



GLORIA MATERIAL TECHNOLOGY CORP.

INSPECTION CERTIFICATE

台南市新營區新中路35號
NO. 35, HSIN CHUNG RD., HSIN YING,
TAIWAN, TAIWAN
TEL: 886-6-6520031
FAX: 886-6-6520088

Messrs: Fidelity PAC Metals Ltd.

Order No: 2012009654

FILE NO: 2013091084-A

Grade: 17-4 ANN

Size: 3/4"

HEAT-Lot No: SC2917-E30

Condition: HR-Solution Annealed-Ground

P.O.NO.: P002273

Date: 02/28/2013

Weight: 1060.0KG 2336.90LB

P'ca: 118

Non-Metallic Inclusions :AMS 2303E

Severity Frequency

Sent

Max.

Result

0

0

Specification:

1. ASTM A484M-08, A564-08.

2. AMS 5643, 2303E (Mag particle test).

3. ASME SA564(04).

4. EN 10204 3.1.

5. AMS 2315E.

Remark:

1. MELTING PROCESS: EAF+LEF+VOD

2. MATERIAL IS FREE FROM KNOWN CONTACT WITH MERCURY & RADIUM.

3. MATERIAL IS FREE FROM WELDS OR WELD REPAIRS.

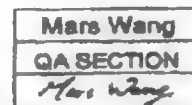
4. NO PRODUCT THAT CONTAIN OR WERE MADE WITH ODC'S.

5. SOLUTION TREATMENT A: 1900 DEGREE F > 30MIN/INCH, RAPIDLY COOLED TO BELOW 90 DEGREE F.

6. REPORT REDUCTION RATIO 4:1 MINIMUM.

7. COUNTRY OF ORIGIN: TAIWAN.

8. THE MATERIAL IS THE SAME AS AISI 630.



Page 2 of 2

Our quality and environment management systems have been certified by AS9100, ISO9001 QMS, ISO14001 EMS, OHSAS18001 OHS, and NADCAP.
We hereby certify that the material described herein has been manufactured and tested with satisfactory results in accordance with
the requirement of the above material specification. Inspection Certificate comply with EN 10204 3.1.

Abnahmeprüfzeugnis 3.1 (EN 10204) Inspection certificate - mill certificate

Nr.: 85170692

01 / 1

Rev.: 0

Seite / page:

1 von / of 3

Datum / date:

2015 05 07

Zertifiziert nach / certified to ISO 9001, ISO/TS 16949, EN/AS 9100, ISO 14001, NADCAP

Auftraggeber / customer:	Bestell Nr. / order no.:	C 69965
	Datum / date:	2015 02 05
Warenempfänger / consignee:	Auftragsbest. Nr. / order confirm no.:	688222
	Datum / date:	2015 02 09
	Lieferschein Nr. / delivery note:	85170692
	Datum / date:	2015 05 29

Produkt / product:	Bedingungen / terms
Form / form: Sheet	Technische Lieferbedingungen / techn. spec.:
Werkstoff / material: 2024	AMS-QQ-A-250/4A, 09.1998
Zustand / temper: T3	ASTM B 209 - 10
Dim. / dim.: (inch): 0,050x48,00x144,00	AMS 4037Q, 12.2014
	WL 3.1354-1, 12.1987
	Cessna CMMP019, Rev. D, 09-07-01
	Cessna CMMP025, Rev. U, 05-26-11
	ANSI H35.2-2013
	ABM 1-8015, Issue 2, OCT 2004
	AIR9048-110, 26 December 1978
	Sondervorschrift / special terms:

AB-Pos. ord.-item.	BNr/Los/Teillos Lot/No./Part	Guss Nr. cast no.	Werkstoff material	Kollo packno.	Gewicht netto weight net	Stk. pcs.
05	68968/01/00	01/0067462/5	2024	6882220002	2427,249 lbs	70
05	68968/01/00	01/0067462/5	2024	6882220003	2215,608 lbs	64

Chemische Zusammensetzung ([%] Gewichtsanteile) / Chemical composition ([%] weight proportion (OES))											
Guss-Nr. / Cast no.	material										
01/0067462/5 <i>CB</i>	2024	Su	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Ti+Zr	Others Each
	spec min.	-	-	3,8	0,30	1,2	-	-	-	-	-
	spec max	0,50	0,50	4,9	0,99	1,8	0,10	0,25	0,15	0,20	0,05
	actual	0,10	0,11	4,5	0,52	1,5	0,01	0,16	0,04	0,05	0,02
		Others Total									
	spec min.	-									
	spec max	0,15									
	actual	0,04									

Abnahmeprüfzeugnis 3.1 (EN 10204) Inspection certificate - mill certificate

Nr.: 85170692

01 / 1

Rev.: 0

Seite / page:

2 von / of 3

Datum / date:

2015 05 07

Zertifiziert nach / certified to ISO 9001, ISO/TS 16949, EN/AS 9100, ISO 14001, NADCAP

Zugprüfung LT / tensile test LT									
BNr/Los Lot/No.	Zustand temper	Richtung direction	Tests		UTS (ksi)	YS (ksi)	A2" (%)		
				spec.min.	63,8	42,1	15		
				spec.max	-	-	-		
68968/01	T3	LT	6	from	67,3	48,6	17		
68968/01	T3	LT		to	67,7	49,0	18		

Elektr. Leitfähigkeit GM / electr. Conductivity GM									
BNr/Los Lot/No.	Zustand temper	Tests		L / ec (% IACS)	ΔL / Δec per batch (% IACS)				
			spec.min.	-	-				
			spec.max.	32,8	2,6				
68968/01	T3	18	from	30,2	0,3				
68968/01	T3		to	30,5	0,3				

Sonstige Prüfungen / other tests

Biegeversuch: OK. / Transverse bend test: OK.
Interkristalline Korrosion: OK. / Intergranular corrosion: OK.
Maßkontrolle: OK. / Dimensional Check: OK.
Oberfläche: OK. / Surface inspection: OK.

Bemerkungen / notes

Die Dimensionstoleranzen entsprechen ANSI XXX /
As standard, dimensional tolerances are to ANSI XXX

Abnahmeprüfzeugnis 3.1 (EN 10204)
Inspection certificate - mill certificate

Nr.: 85170692

01 / 1

Rev.: 0

Seite / page:

3 von / of 3

Datum / date:

2015 05 07

Zertifiziert nach / certified to ISO 9001, ISO/TS 16949, EN/AS 9100, ISO 14001, NADCAP

Ausgestellt nach Airbus Zulassung Nr. 30272.

Wir bestätigen, dass die gesamte Lieferung unter Einhaltung und soweit oben nicht anders dargelegt aller Forderungen (Spezifikationen, Zeichnungen, Aufträge) hergestellt und geprüft wurde.

Das Qualitätsmanagementsystem erfüllt die Anforderungen der AUK/SA/001-3.

Hergestellt, kontrolliert und geprüft nach Hawker Beechcraft HBIFSAS/PART3/0771

Agusta Westland Genehmigung Lieferantennummer V21275

Issued under Airbus Approval No. 30272.

Certified that the whole of the supplies detailed hereon have been manufactured, inspected, tested and unless otherwise stated above conform in all respects to the Specifications, Drawings and Contract.

Order relevant thereto The Quality Management System arrangements in respect of these supplies comply with the requirements of AUK/SA/001-3.

Manufactured, inspected and tested according Hawker Beechcraft HBIFSAS/PART3/0771

Agusta Westland approval supplier code V21275

Es wird bestätigt, dass die Lieferung geprüft wurde und den Vereinbarungen bei der Bestellung entspricht.

We hereby certify that the material described above has been tested and complies with the terms of the order contract.

Werkstattverständiger / factory specialist	E-Mail / e-mail
Rendi Herbert	h.rendi@amag.at

Herstellerland: Österreich / goods origin: The goods are of Austrian origin

Maschinell erstellt - Gültig ohne Unterschrift / Automated - valid without being signed



Acciaierie Valbruna S.p.A.



CERTIFICATO DI COLLAUDO
ABNAHMEPRUEFZEUGNIS
INSPECTION CERTIFICATE
CERTIFICAT DE RECEPTION
EN 10204 (2004) , 3.1

47893
28

36100 VICENZA (Italia) - Viale della scienza, 25 z.l.
Stab.: 39100 BOLZANO (Italia) - Via A. Volta, 4
Telephone number : 0039 (0) 444968211

Cliente / Customer/Purchaser/Clien
VALBRUNA CANADA LTD
8724 HOLGATE CRESCENT
L5T 5Z1-MILTON, ONT L5T 5Z1-CA

Produttore: STABILIMENTO DI BOLZANO
Hersteller/Hersteller/Manufacturer

Avviso di Spedizione: D-BZ14008766
Unterlagen: Packing List

Ordine nr.: 407004840 Stock - Canada
Bestell-Nr. oder Order-Nummer

Tipo di Elaborazione: E-AOD
Erschmelzungs-Verfahren: E-AOD

Certificato nr.: MEST606752/2014/
Prüfung/Exam-Nr.

Conferma ordine nr.: E114007074
Bestätigung der Order-Nummer

Marchio di Fabbrica:
Zeichen des Herstellers
Trade mark
Signe de l'usine productrice

Punzone del Collaudatore
Stempel des Werkprüfzeugnis
Inspector's stamp/Inspection de l'inspecteur



Stato di fornitura: Hot rolled - Annealed Cold Drawn
Lieferzustand: Delivery state/Etat de livraison

Specifiche:
Anforderungen: Requirements/Exigences

VSI 0 303 HS A,CF
AMS 5640 U TYPE 1 A
ASTM A320 2011A B8F (1)
MIL-S-862 B/1 303

AISI 303
ASME SA320 2013 B8F (0)
ASTM A370 2013
QQ-S-764 B/2 303 A

AMS 5640 U S30300 A
ASTM A314 2008 S30300
ASTM A582 2012 S30300 A

(0) SECTION II PT.A 2013 EDITION
(1) Chemical analysis only.

(0) Chemical analysis only.

Quota: 303HS
Werkstoff-Gruppenbezeichnung

Marca: MV188ZHS
MAXIVAL

Tolleranza: ASTM A484-14 TABLE 7
Toleranz: Abweichung/Abweichung

Punzonatura: 303HS
Auszeichnung/Markierung

Pos. nr. Pos. nr. Nr. des posts	Opposto Gegensatz Product description Description du produit	Dimensioni - In Abmessungen Dimensions Dimensions	Lunghezza - In Länge Length Longueur	Colata Schmelze Heat Craque	Pezzi Teilmengen Pieces Pièces	Peso - LB Gewicht Poids	Lotto nr. Losnr. Lot n°
0010	Round	0,5000	145 / 145	427059		2.249	415607210

TEST ALLO STATO DI FORNITURA

Test on delivery condition Prüfung auf Lieferzustand Prüfung des Zustands bei Lieferung Prüfung des Zustands bei Lieferung

TEST	Prova di Trazione Zugversuch Tensile Test Essai de traction	Temperatura Temperatur Temperature Température	Snervamento Bruchdehnung Elongation Élongation	Snervamento Bruchdehnung Elongation Élongation	Resistenza Zugfestigkeit Tensile strength Résistance à la traction	Allungamento Bruchdehnung Elongation Élongation	Sinzione Bruchdehnung Elongation Élongation	Resistenza Bruchdehnung Elongation Élongation	Durezza Härte Hardness Dureté
		°F	Re 0,2% k.s.l.		Rm k.s.l.	E 4d %	NA %		HB
Valori richiesti I Anforderungen/Requirements Valeurs demandées		min max							140 255
A	8.75	68	L	91	106	22	47		228

TEST	min	max
A	Grain size for ASTM E112	6

1) - lunghezza/diagramma. Frequenza/sequenza. Quasi/quantità/quantité

Mechanical properties according to ASTM A370.

Analisi chimica

Chemische Zusammensetzung/Chemical Analysis/Analyse chimique

Colata Heat Schmelze Charge	min 0,030 max 0,050	0,20 1,00	1,50 2,00	17,00 19,00	0,60	1,00	8,00 10,00	0,100	0,32	0,4000				
	C %	Si %	Mn %	Cr %	Mo %	Cu %	Ni %	Co %	P %	S %	Zr %			
427059	0,042	0,41	1,84	17,48	0,51	0,64	8,10	0,083	0,029	0,34	0,0043			

Produced without class I-II Ozone depleting substances.

Solution heat treated free from continuous carbide network.

Annealing temperature : 1940° F for 0.50h/water.

Micro and macro etch test : OK

Reduction ratio > 4 : 1

Material is DFARS Compliant

Sono state soddisfatte tutte le condizioni richieste
Die gezeigten Anforderungen sind erfüllt
The material has been finished in accordance with the requirements
Le matériau a été traité conformément aux exigences

Controllo antimescolanza OX
Vermeidung von Vermischung
Avoiding mixing
Controllo antimescolanza OX
Vermeidung von Vermischung
Avoiding mixing

Controllo visivo e dimensionale soddisfa le esigenze
Die gezeigten visuellen und dimensionalen Anforderungen sind erfüllt
Visual inspection and dimensional checks satisfy the requirements
Contrôle visuel et dimensionnel satisfait les exigences

Melted and manufactured in Italy No welding or weld repair Material free from Mercury contamination
We declare that the finished product is checked for radioactive contamination through Porta System when it leaves the production plant

Bolzano, 24/11/14

Il collaudatore di stabilimento / der Werkprüfzeugnis / Works inspector / L'agent d'usine

M. Rizzotto

Pagina - 1 di 2

192173

Acciaierie Valbruna S.p.A.



CERTIFICATO DI COLLAUDO
ABNAHMEPRUEFZEUGNIS
INSPECTION CERTIFICATE
CERTIFICAT DE RECEPTION
EN 10204 (2004) , 3.1

36100 VICENZA (Italia) - Viale della scienza, 25 z.i.
Stab.: 39100 BOLZANO (Italia) - Via A. Volta, 4
Telephon number : 0039 (0) 444968211

Clients / Kunden / Purchaser / Client
VALBRUNA CANADA LTD
8724 HOLGATE CRESCENT
L5T 5Z1-MILTON, ONT L5T 5Z1-CA

Produttore: **STABILIMENTO DI BOLZANO**
Hersteller/Hersteller producer

Stato di fornitura: Hot rolled - Annealed Cold Drawn
Lieferzustand/Delivery state/État de livraison

QUALITY MANAGEMENT SYSTEM CERTIFIED BY LLOYD'S REGISTER

Avviso di Spedizione: D-BZ14008766
Lieferanweisung/Posting tell/B.I.

Ordine nr. 407004840 Stock - Canada
Bestell-/Your order/Commande

Tipo di Elaborazione: E+AOD
Erstellungszustand/Manufacturing process/Mode of execution

Certificato nr: MEST606752/2014/
Polikung/Taufelnummer

Conferma ordine nr: E114007074
Werkzeug Order/Ref no

Marchio di Fabbrica:
Hersteller-Mark/Lieferanten-Mark
Tramp mark
Signe de l'usine productrice

Punzone del Collaudatore:
Stempel des Werkstoffversuchsführers
Inspector's Stamp/Plombon de l'inspecteur



The Quality Management System is Certified acc. Pressure Equipment Directive (97/23/EC) Annex 1, s. 4.3 by TÜV and LLOYD'S

Any act of tampering, modification, alteration, counterfeiting and/or falsification and/or any other action which modifies the contents of this test certificate shall constitute a violation of applicable civil and criminal laws. Acciaierie Valbruna shall protect its rights and interests before any competent court, authority and jurisdiction.

Maximal and/or Valplus grades/products are manufactured with ladle techniques to control composition, distribution, size and shape of non metallic inclusions for improved machinability.

The supplied product conforms to requirements expressly requested by the purchaser and conforms to requirements specified by certified norms and standards. Should the product be used for more severe, critical and/or in any case different applications than those the material is generally intended for, any different and/or supplementary requirements shall be specifically demanded, at least, upon order of the Product by the Purchaser. Acciaierie Valbruna SpA shall not be responsible for any improper use of the Products.

Bolzano, 24/11/14

88.008
(Aut. M082)

collaudatore di stabilimento / der Werkstoffversuchsführer / Works inspector / l' agent d' usine

M. Rizzotto

Pagina : 2 di 2

#3521 FSS-144 TR 939 47429 2170: 10/11/2018

Manufacturer / Fabricante / Hersteller: outokumpu		Type of document / Tipo de documento / Art der Prüfbescheinigung: INSPECTION CERTIFICATE CERTIFICADO DE INSPECCION ABNAHMEPRÜFZEUGNIS according to / de acuerdo con / nach EN 10204-3.1		Document number / N° de certificado / Bescheinigungs-Nr.: 0000238008 / Page / Pagina / Seite: 1 / 1																					
1 Steel Drive; P.O. Box 13000; Calvert, AL 36513-1300				Customer's order number / N° de Pedido Cliente / Kundenbestellung: YD-2170 Manufacturer's work order no. / N° de Pedido Manufactura / Werkstatttrag-Nr.: B01208088 / 004 Delivery note no. / N° de Entrega / Lieferschein-Nr.: B5435888 / 010 Product / Producto / Produkt: COIL/ROBINA/BAND Steel plate product / Acero / Stahlblech und -streifen: TYPE 304L/304																					
Item of delivery / Condiciones de entrega / Lieferbedingungen: ASTM A240/A240M-16, ASME SA-240 Sec. II part A Ed.2016 ASTM A480/A480M-16a, ASME SA-480 Sec. II part A Ed.2016																									
Customer's material no. / N° de material del cliente / Kundenmaterial-Nr.: 7057277		Product dimensions (Thickness / Width / Length) / Dimensiones (Espesor / Ancho / Largo) / Maße des Bauteils (Dicke / Breite / Länge): 0.35 mm x 1,219-29 mm 0.2500 inch x 48.0000 inch		Sampling procedure / Proceso de muestreo / Herstellung: AOD Finish / Acabado / Ausführung: Ra / ID / No.1																					
Parting No. / N° de Entregue / Teil-Nr.: 7057277	No. of pieces / Piezas / Stückzahl: 1	Actual weight / Peso actual / Ist-Gewicht: 20,887 lb / 9,485 kg	Approx length / Longitud aprox / Länge: 495 R / 151 m	Coil No. / Rollos No. / Band-Nr.: 783735	Heat No. / Calent. / Schmelz: 512898																				
Sum / Suma / Summe: 1		20,887 lb / 9,485 kg																							
Heat / Calent. / Schmelz: 512898	Country of Heat / País de origen / Herkunftsland: USA	Chemical composition / Composición Química / Chemische Zusammensetzung: <table border="1"> <thead> <tr> <th>% C</th> <th>% Si</th> <th>% Mn</th> <th>% P</th> <th>% S</th> <th>% Cr</th> <th>% Mo</th> <th>% Ni</th> <th>% N</th> <th>% Cu</th> </tr> </thead> <tbody> <tr> <td>0.024</td> <td>0.38</td> <td>1.40</td> <td>0.028</td> <td>0.0010</td> <td>18.24</td> <td>0.35</td> <td>8.01</td> <td>0.073</td> <td>0.60</td> </tr> </tbody> </table>				% C	% Si	% Mn	% P	% S	% Cr	% Mo	% Ni	% N	% Cu	0.024	0.38	1.40	0.028	0.0010	18.24	0.35	8.01	0.073	0.60
% C	% Si	% Mn	% P	% S	% Cr	% Mo	% Ni	% N	% Cu																
0.024	0.38	1.40	0.028	0.0010	18.24	0.35	8.01	0.073	0.60																
Sample Position / Local de la muestra / Probenlage: TRANSVERSE																									
Inspection lot / Lote de inspección / Prüfung: 1000427273 1000427274	Y60.2% PSI / MPa: 48,990 / 324 42,349 / 292	TS PSI / MPa: 92,820 / 640 88,616 / 611	El. A2" %: 85 80	HRB: 82 80																					
Resistant to intergranular corrosion / Resistente contra corrosión intergranular / Beständig geg. interkörn. Korrosion. ASTM A 262 PRACTICE E - Sample Acceptable Resistente a pitting / Resistente a picaduras / Nicht-Überfähen: OK Test of identity (spectrometry analysis) / Control de identidad (análisis espectrográfico) / Verwechslungsprüfung (Spektralanalyse): OK																									
Heat Treatment: Solution annealed 1920°F Min / Air cooled No welding or weld repairs were performed on this material No intentional additions of Mercury compounds were made or used Free of radioactive contamination EU RoHS Directive 2011/65/EU Compliant Product manufactured in the USA Country of Heat as per ISO 5165-1																									
Originator of the document / Origenador del documento / Aussteller der Bescheinigung: Outokumpu Stainless USA, LLC An ISO 9001: 2008 certified company EU PED 97/33/EC, Annex I, 8.3 certified		The information provided is a true copy of data on file / Los valores proporcionados corresponden a los datos archivados / Die angegebenen Werte entsprechen den gespeicherten Daten: Andree Fautsch Phone: +1 351 828 3162		Date of issue and validation / Fecha de emisión y validación / Datum Ausstellung / Bestätigung: 11/01/2018 This document shall not be shared or reproduced, except in full. Products, services, or false statements or claims may be protected by law.																					

PHOENIX TUBE COMPANY, INC.

Manufacturer of Stainless Ornamental and Structural Tubing

CERTIFICATION OF TEST

Sold To:

Ship To:

CUSTOMER ORDER#: C108358

CUST REF NBR:

DATE SHIPPED: 03/07/17

SIZE: 2-1/2" X 1/2" HRAP

SOURCE: USA

VENDOR: NAS

Specification:

Phone# 5492603

Ext:

ORDER#: 418918

QTY SHIPPED: 1125.0

GRADE: 304L

NO WELD: BAR

HEAT#: 174M

TEST REPORT#: TR013831

Report Date: 10/20/16

CHEMISTRY THIS COLUMN:

ASTMA276-15a

ASME SA276-13A COND. A

ASTMA479-16a

ASME SA479/13

NO WELD REPAIR

EN 10204 2.2

RoHS Compliant

ASTM A262-14, PRACT/ E

CORROSION OK, HRAP

ASTM A484-15

ASME SA484-13

ASTM A480-16b

ASME SA 480-13

ASTM A240-16a

ASME SA240-13

MILS 5059D AMEND 3

AMS5511J/AMS5513J

NACE MR0175/MR0103

AMS 5639H / AMS 5647J

QTY SHIPPED EQUALS LBS.

TYPE 304/304L DUAL CERTIFIED

UNS# 30400 / 30403

ASTM A868-15

AMS-QQ-S-763D COND A

QQ-S-766F, COND. A

CHEMISTRY ONLY

MERCURY IS NOT USED BY US AS AN ALLOYING MATERIAL NOR IS METALLIC MERCURY HANDLED IN THE VICINITY OF OUR PROCESSING LINES. MATERIAL IS FREE OF MERCURY CONTAMINATION.
MATERIAL HAS BEEN HEATED TO A MINIMUM OF 1900 DEG. F AND IS SUBSEQUENTLY COOLED RAPIDLY TO PREVENT CARBIDE PRECIPITATION, SOLUTION ANNEALED

Chemical Analysis

C	MN	P	S	SI	CR	NI	MO	CU	CO	N2	TI
.01	1.80	.030	.001	.27	18.12	8.03	.32	.39	N/A	.08	N/A

Physical Analysis

	YIELD		TENSILE		OTHER	
Hardness	PSI	MPA	PSI	MPA	Percent EL	Percent RA
RB 80	46490	N/A	92500	N/A	54	74

THE CHEMICAL ANALYSES ARE CORRECT AS CONTAINED IN OUR CORPORATE RECORDS.
PHYSICAL PROPERTIES ARE DETERMINED WHILE MATERIAL IS IN STRIP FORM.

Melted & MFG In USA DFARS 252.225 Subsection Compliant, FAR BAA, DFAR BAA, FAR TAA Complies

CERTIFIED BY Inventory Control Dept

1185 WIN DR, BETHLEHEM, PA., 18017 - (610) 865-5337

FAX NUMBER: 610-865-4073

178121



North American Stainless Canada Inc.
740 Imperial Road North
Guelph, ON N1K1Z3
Canada

METALLURGICAL TEST REPORT

6870 Highway 42 East
Ghent, KY 41045-9615
(502) 347-6000

Certificate: 184079 2 Mail To:
Customer: 007035 510

Ship To:

46214

Date: 6/01/2016 Page: 1
Steel: 304/304L

Your Order: 779534

NAS Order: PN 0065957 05

Corrosion: ASTM A262-10 Part A/E OK
Red Ratio: 69.4 : 1

PRODUCT DESCRIPTION:

Round Bar, Annealed, Cold Draw
UNS 30400/30403 EN 10204 3.1, ASTM A484/15
ASTM A276/15, ASTM A479/15, ASTM A182/13 CHEM ONLY,
ASTM A367/13, ASME SA182/10 CHEM ONLY,
AMS 5639E, AMS 5647J, AMS QQ-C-763D, QQ-C-763F, ASTM F899/11
SOLUTION ANNEAL, TEMP 1900F MIN, ASTM A320/08 CL 1 GR B8
ASTM A193/10A-ASME SA193/10 CL 1 GR B8

REMARKS:

COMPLIES W/REQUIREMENTS OF DPAE 252.225-7009 EU DIRECTIVE
2011/65/EU-ROHS. EAF+AOD+OC. NO WELD REPAIR. HEATED AND NPG
IN USA FREE FROM MERCURY AND LOW MELTING ALLOY CONTAMINATION

Product ID	Shield # Diameter	Size	Weight	Length	Mark	Plates	Commodity Code
------------	-------------------	------	--------	--------	------	--------	----------------

BH9480 7		1.0000	1.048	144.00	6	1	71553100
----------	--	--------	-------	--------	---	---	----------

CHEMICAL ANALYSIS

CM(Country of Mex) ES(Spain) US(United States) ZA(South Africa) JP(Japan) Lab Accreditation Bureau, ISO/IEC 17025, Certificate# 12323
Chemical Analysis per ASTM A751/14a

Element	C %	CO %	CR %	CU %	HN %	MO %	N %	NI %	P %
---------	-----	------	------	------	------	------	-----	------	-----

Y928	US	.0194	.2095	18.1820	.3065	1.3635	.3380	.0558	8.5370	.0295
------	----	-------	-------	---------	-------	--------	-------	-------	--------	-------

S %	SI %
-----	------

	.0265	.2450
--	-------	-------

MECHANICAL PROPERTIES

Product ID	1 d o f c f	HB No.	.2YS ksi	UTS ksi	RA %	ELong % 4D
------------	-------------------	-----------	-------------	------------	---------	---------------

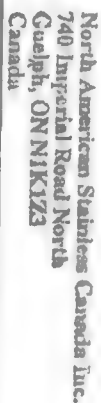
BH9480 7	EL	220.0	76.86	107.35	67.16	42.43
----------	----	-------	-------	--------	-------	-------

NAS hereby certifies that the analysis on this certification is correct. Based upon the results and the accuracy of the test methods used, the material meets the specifications stated. These results relate only to the items tested and this report cannot be reproduced, except in its entirety, without the written approval of NAS.

Technical
Dept. Mgr.

KRIS LARK

6/01/2016



METALLURGICAL TEST REPORT

8870 Highway 42 East
Cheney, KY 41045-9615
(502) 347-6000

Card#1670: 245735 1 Mail To:

Ship To:

1000

Date: 12/12/2016 Page: 1

CUSTOMER: 007035 501

8001 1304

File # 23

Your order: 785809

IN Order: PN 0072898 04

Corrosion: ASTM A262/15 A, 180Bond-OK

PRODUCT DESCRIPTION:

STAINLESS STEEL COLL, G.S. ANNEAL & PIC-CMD, LMS 30400
 ALLOY: A24015B, A480/15, A566/15, A568 SA240/15, SA480/15, SA566/15
 CHEM UNIT OR FOLLOWING AFTER: A276/16, A479/15, A484/15, A512/16
 CHEM COLL ON FOLLOWING ASME: SA312/13, SA479/13
 AMS 5613 MARK: MIL-8-5059D AMENDING (X CROWN MARK)
 FINCE ME0115/ISO 15156-3:2009 A, ME0103/07, Q0576D-A X MAG 22K
 MIN. SOLUTION ANNEAL TEMP 1300°, WATER QUENCHED

REMARKS:

Mat'l is free of Mercury Contamination. No weld repairs.
EN 10704:2004 3.1; XRDs 1 & 2 Compliant
Material is Free of Radioactive Contamination
Steel Making Process: EAF, AOD, & Conc. Casting
Product Mfg. by a Quality Mfg. Sys. in Conf. w/ISO 9001
Welded & Manufactured in the USA; Mat'l is DPMs Compliant

Product Id	Coll #	Skid #	Thickness	Width	Weight	Length	Mark	Place	Commodity Code
04222X A	04222X A		0.360	48.0000	15.350	COIL	14	1	74257403

CHEMICAL ANALYSIS

CH(Country of Men) ES(Spain) US(United States) ZA(South Africa) JP(Japan)

Lab Accreditation Bureau, ISO/IEC 17025, Certificate# 13323
(South Africa) JP(Japan) Chemical Analysis per ASTM A751/14a

CM	C %	CR %	CU %	20 %	30 %	4 %	45 %	7 %	8 %
222X	.0637	18.0060	.3653	1.7640	.2635	.0695	8.0280	.0305	.9010
<div style="display: flex; justify-content: space-between;"> <div> <p>HI %</p> <p>.2475</p> </div> </div>									

MECHANICAL PROPERTIES

Product Id#	Coll #	1 0 4	4 0 4	UTS KSI	200 KSI	.2% KSI	YS KSI	200 KSI	ELONG %	Hard HB	Tail Hard	Grain No.
04232X A	04232X A	F	F	103.42	56.92	47.45	89.50	89.00	10.00			

NAS hereby certifies that the analysis on this certification is correct. Based upon the results and the accuracy of the test methods used, the material meets the specifications stated. These results relate only to the items tested and this report cannot be reproduced, except in its entirety, without the written approval of NAS.

Technical
Dept. Mgr.

KRIS LARK

12/12/2015

2610

FAL 381

TR

47300

opie d'archive

Material Test ReportManifest: 272337Ticket:
5345729

Our Order: 400728 - 6

Cust P.O.: LAV-15648

Die: BS05691

Part: 3420604Alloy Temper: 6061 T6Description: 375 x 1.000

Print Date: 1/15/14

Chemical Composition Range

6061	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Other Each	Other Total
Min	0.40		0.15		0.8	0.04				
Max	0.8	0.7	0.40	0.15	1.2	0.35	0.25	0.15	0.05	0.15

Mechanical Properties

Strength ksi

Sample ID	Cast #	Lot #	Test Date	Ultimate Tensile	Yield 2% offset	Elongation 2" gage length
500686	13121091A	A11	1/14/14	41.76	37.37	11.4

Applicable Specifications: ASTM B221-13 QQA200/8Country of Origin: ONTARIO, CANADA

Can Art Aluminum Extrusion Inc. certifies that materials shipped under this order have been inspected and tested in accordance with Aluminum Association and agreed upon customer specifications. Can Art assumes no liability for additional costs which may be incurred during the customers manufacture and sale of its products, and is subject only to the replacement of any materials not within agreed upon specifications provided written notification is received by Can Art within 30 days from the date of shipment.

Ray Hussain - Tensile Testing

Authorized:


Evan Eng, Quality Assurance Mgr.



Can Do.

Service Center Metals

5850 Quality Way
Prince George, VA 23875

CERTIFIED INSPECTION REPORT AND TEST RESULTS FOR EXTRUDED PRODUCTS



OUR ORDER NUMBER	ITEM
278833	1

INVOICE TO	MANIFEST NUMBER	DE NUMBER	DATE OF SHIPMENT
SHIP TO	314705	MRB0657	11/22/2016
Quantity Certified	1,710 lbs 32 pcs	CUSTOMER PO C73639	SALESPERSON D. Schroeder (Canada)
		CUSTOMER PART NUMBER V836661	ALLOY / TEMPER 6061-T6511
		DESCRIPTION SCRIP 1.500X2.500	

CERTIFICATION
ASTM-B221-14 No Stencil
SPECIFICATION
AMS-QQA-2008 Rev-A

We hereby certify that the material covered by this report has been inspected in accordance with the most recent certification revision, and has been found to meet the applicable requirements described herein, including any specifications forming a part of the description, and that samples representative of the material met the composition limits and had the mechanical properties shown. This product is RoHS-2, REACH, and DFARS compliant.

Mechanical Properties

Tests Lot No.

Tests	Lot No.	Test Date	Ultimate Tensile Strength (KSI)	Yield Strength (KSI)	Percent Elongation
5	201619859	11/15/16	min 46.90 max 49.70	min 43.20 max 46.80	min 15.60 max 18.60
3	201620153	11/18/16	50.50 53.80	46.10 50.30	15.90 16.30

Chemical Composition for Aluminum Alloy 6061

Cast #	Lot No.	Alloy	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Al	Others		Melt Source:
												Each	Total	
11091802	201620153	6061	0.74	0.35	0.32	0.09	0.91	0.09	0.06	0.02	97.42	0.05	0.15	United States of America
1K161101B	201620153	6061	0.76	0.38	0.34	0.10	0.88	0.10	0.03	0.03	97.38	0.05	0.15	United States of America

SCM products are melted and extruded in the USA

Charles J. Williams, Director of Quality & Technical Services

Rev 9/8/16

Print Date: 11/22/2016

7-0400

ACIER OUELLETTE INC P.O. - AC000004212 S.O. - 389454

47634
2P

KAISER ALUMINUM FABRICATED PRODUCTS

Best in Class

CERTIFIED TEST REPORT

<http://Online.KaiserAluminum.com>

KAISER ALUMINUM
FABRICATED PRODUCTS, LLC
5205 KAISER DRIVE
KALAMAZOO, MI 49048

CB

CUSTOMER PO NUMBER: 787479-1		CUSTOMER PART NUMBER: 51318871/EAST		PRODUCT DESCRIPTION: 1.250 X 2.000 SC RECT BAR	
KAISER ORDER NUMBER: 6021208	LINE ITEM: 001	SHIP DATE: 11/29/2016	KAISER LOT NUMBER: Z00247114	ALLOY: 6061	TEMPER: T6511
WEIGHT SHIPPED: 988,000 LB	QUANTITY: 28,000 PCS	BL NUMBER: 617538	NAME/DATE/TIME: 	WIDTH: 	LENGTH: 12,000 FT
SHIP TO: 			SOLD TO: 		

Actual Physical Properties

REFERENCE	DASH#	SAMPLE#	UTS (KSI)	YTS (KSI)	ELONG%	HARDNESS	CONDUCT.	BOND
Z00247114	0001	0001	55.2	52.2	16.0	RE 94	N/A	N/A
Z00247114	0001	0002	46.0	41.1	13.9	RE 95	N/A	N/A
Z00247114	0001	0003	46.9	42.8	18.4	RE 92	N/A	N/A
Z00247114	0001	0004	44.0	38.9	18.0	RE 92	N/A	N/A
Z00247114	0001	0005	50.6	47.0	16.9	RE 93	N/A	N/A
Z00247114	0001	0006	44.1	39.0	17.8	RE 91	N/A	N/A
Z00247114	0001	0007	44.2	39.8	15.0	RE 93	N/A	N/A
Z00247114	0002	0001	45.0	39.9	15.4	RE 92	N/A	N/A
Z00247114	0002	0002	49.1	45.1	19.1	RE 93	N/A	N/A

Chemical Composition (wt%), Aluminum Remainder

LIMITS	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Pb	Bi	Zr	Ea	Tot
Maximum	0.80	0.70	0.40	0.11	1.20	0.15	0.25	0.15	NA	NA	NA	0.05	0.15
Minimum	0.40	0.00	0.15	0.00	0.80	0.04	0.00	0.00	NA	NA	NA	0.00	0.00
106660	.59	.26	.19	.07	.64	.06	.03	.02	.00	.00	.00	.01	.04

Applicable Requirements:

ASTM-B221-14 STENCILED ASME-B221 2009 SECT II AMS-QQ-A-200/8A UNS#A96061 (T6511 also conforms to T6-not applicable to other tempers)

Miscellaneous Notes

MANUFACTURED IN USA MELTED IN USA
MERCURY IS NOT A NORMAL BACKGROUND ELEMENT IN ALUMINUM ALLOYS. NEITHER MERCURY NOR ANY OF ITS COMPOUNDS ARE UTILIZED BY KAISER ALUMINUM IN THE MANUFACTURE OF THIS MATERIAL.

Plant Serial: 00261177
Kaiser Order Number: 6021200
Line Item: 001

KAISER
ALUMINUM
FABRICATED PRODUCTS

Best in Class

CERTIFIED TEST REPORT

<http://Online.KaiserAluminum.com>

KAISER ALUMINUM
FABRICATED PRODUCTS, LLC
5205 KAISER DRIVE
KALAMAZOO, MI 49048

CERTIFICATION

Kaiser Aluminum Fabricated Products, LLC hereby certifies that metal shipped under this order has been inspected and tested and found in conformance with applicable specifications forming a part of the description set forth in Kaiser's sales acknowledgement form. Any warranty is limited to that shown on Kaiser's general terms and conditions of sale. Test reports are on file, subject to examination.

Aimeo L. Macnowski, Quality & Technology Manager

Aimeo L. Macnowski

325 rue Avro
Pointe-Claire, QC, Canada, H9R 5W3
Téléphone (514) 697-5120
Fac-simile (514) 694-8310

Test de dureté Rockwell Rockwell Hardness Test

Client / Customer : **LES ACIERS TRANSBEC (1997) LTEE.**

Adresse / Address : **4054 BOUL. LE CORBUSIER # 201
LAVAL, QC
H7L5R2**

commande Order # : **7020941**

bon de commande / Purchase order # : **OU-47416**

de matrice / Die # : **MS 9905** Description : **1/2"DIA.ROD******

Alliage & trempage / Alloy & temper : **6061 T6** Longueur / Length : **6097 mm**

Contrôle / Control # : **85610-2**

Coulée / Cast # : **68724**

Dureté Rockwell E /
Rockwell E hardness : **90 HRE**

Min. requis /
Min. required : **88 HRE**

Max. permis /
Max. permitted : **100 HRE**

Composition chimique typique / Typical chemical composition :

	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti
6063	0,20 - 0,60	0,35 Max	0,10 Max	0,10 Max	0,45 - 0,90	0,10 Max	0,10 Max	0,10 Max
6005	0,60 - 0,90	0,35 Max	0,10 Max	0,10 Max	0,40 - 0,60	0,10 Max	0,10 Max	0,10 Max
6005A	0,66 - 0,74	0,14 - 0,28	0,08 - 0,16	0,18 - 0,26	0,46 - 0,54	0,03 Max	0,05 Max	0,05 Max
6061	0,40 - 0,80	0,70 Max	0,15 - 0,40	0,15 Max	0,80 - 1,20	0,04 - 0,35	0,25 Max	0,15 Max
6351	0,7 - 1,3	0,5 Max	0,10 Max	0,40 - 0,80	0,40 - 0,80	---	0,20 Max	0,20 Max

Nous certifions que le matériel fourni rencontre les exigences chimiques telles qu'annoncées par la norme **ASTM B-221-14** excepté pour la section 8.2 (nombre de spécimen) .

We hereby certify that the material supplied meets the chemical properties as published by the **ASTM B-221-14** except for section 8.2 (number of specimen) .

Sincèrement vôtre,
Yours truly,

date : **2017-03-30**

Daniel Alfredo Pelletier
Directeur Qualité
Quality Director

RAL 12

45454

68623

RAL 58

Test de dureté Rockwell Rockwell Hardness Test

Client / Customer : LES ACIERS TRANSBEC (1997) LTEE.

Adresse / Address : 4054 BOUL. LE CORBUSIER, #201
LAVAL, QC
H7L5R2

commande order # : 6031289

bon de commande / Purchase order # : OU-45668

de matrice / Die # : MS 9907

Description : 5/8" DIA ROD

Alliage & trempage / Alloy & temper : 6061 T6 Longueur / Length : 6097 mm

de contrôle / Control # : 66547-1

de coulée / Cast # :

66092 CB

Dureté Rockwell E /
Rockwell E hardness : 93 HRE

Min. requis /
Min. required : 88 HRE

Max. permis /
Max. permitted : 100 HRE

Composition chimique typique / Typical chemical composition :

	Si	P	Cu	Mn	Mg	Cr	Zn	Ti
6063	0.20 - 0.60	0.35 Max	0.10 Max	0.15 Max	0.45 - 0.90	0.10 Max	0.10 Max	0.10 Max
6065	0.60 - 0.90	0.35 Max	0.10 Max	0.10 Max	0.40 - 0.60	0.10 Max	0.10 Max	0.10 Max
6005A	0.66 - 0.74	0.14 - 0.28	0.08 - 0.16	0.16 - 0.26	0.46 - 0.54	0.03 Max	0.05 Max	0.05 Max
6061	0.40 - 0.80	0.70 Max	0.15 - 0.40	0.15 Max	0.80 - 1.20	0.04 - 0.35	0.25 Max	0.15 Max
6351	0.7 - 1.3	0.5 Max	0.10 Max	0.40 - 0.80	0.40 - 0.80	--	0.20 Max	0.20 Max

Nous certifions que le matériel fourni rencontre les exigences chimiques telles qu'annoncées par la norme ASTM B-221-14 excepté pour la section 8.2 (nombre de spécimen).

We hereby certify that the material supplied meets the chemical properties as published by the ASTM B-221-14 except for section 8.2 (number of specimen).

Sincèrement vôtre,
Yours truly,

date : 2016-05-12



Gilles Pelletier
Technicien de la qualité
Quality technician

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: 0.625
MB66146 R3563
 DATE: JUN 13 2017

PO / BATCH NO.: 036550/1137762

MATERIAL CERT REC'D: yes
 QUANTITY RECEIVED: 20'
 QUANTITY INSPECTED: 20'
 QUANTITY REJECTED: 0

THICKNESS ORDERED: 0.625
 THICKNESS RECEIVED: 0.620
 SHEET SIZE ORDERED: N/A
 SHEET SIZE RECEIVED: N/A

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
CORRECT FINISH	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/>	
CORROSION	Y <input type="checkbox"/> N <input checked="" type="checkbox"/>	
CORRECT GRAIN DIRECTION	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/>	
CORRECT MATERIAL PER M-DRAWING	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/>	<u>As per B221</u>
CORRECT THICKNESS	Y <input type="checkbox"/> N <input checked="" type="checkbox"/>	
PHOTO REQUIRED	Y <input type="checkbox"/> N <input checked="" type="checkbox"/>	
CORRECT REF # TO LINK CERT	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/>	<u>HT # 6692</u>
CORRECT MATERIAL IDENTIFICATION	Y <input type="checkbox"/> N <input checked="" type="checkbox"/>	
CORRECT M# ON THE MATERIAL	Y <input type="checkbox"/> N <input checked="" type="checkbox"/>	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <input type="checkbox"/> N <input checked="" type="checkbox"/>	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <input type="checkbox"/> N <input checked="" type="checkbox"/>	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	

testers located in the Quality Office

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>CB</u>	SIGNED OFF BY: _____	
DATE: <u>JUN 13 2017</u>	DATE: _____	

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM ROUND BAR

SPECIFICATION:
QQ-A-225/8 OR AMS-QQ-A-225/8 (OR AMS 4117/4128/4115/4116)
OR QQ-A-200/8 OR AMS-QQ-A-200/8 (OR AMS 4160)
OR ASTM B211 OR ASTM B221

PART NUMBER:
M6061T6R1D.DDD
DIA.

WHERE "D.DDD" = DIAMETER IN INCHES

EG. 5/8" ROUND BAR = M6061T6R0.625

RELEASED
2009-09-09
JAD

B	REFORMAT DWG. ADD B211& B221 SPEC (2N D8-1).	CP	09.07.13
A	NEW ISSUE	DS	01.06.08
REV	DESCRIPTION	BY	DATE
DESIGN			
DRAWN			
CHECKED			
MFG. APPR.			
APPROVED			
DE APPR.			
DATE	09.07.13		
DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA		REV. B	
DRAWING NO. M6061T6R		SHEET 1 OF 1	
TITLE 6061-T6 ROUND BAR		SCALE NTS	
THE DART AEROSPACE LTD. COMPANY IS NOT RESPONSIBLE FOR THE ACCURACY OF THE INFORMATION CONTAINED HEREIN. THE USER OF THIS DRAWING SHALL BE RESPONSIBLE FOR THE ACCURACY OF THE INFORMATION CONTAINED HEREIN.			

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M174R0.750

PO / BATCH NO.: 036550/M137762

DATE: JUN 13 2017

MATERIAL CERT REC'D: yes

THICKNESS ORDERED: .750

QUANTITY RECEIVED: 13.4'

THICKNESS RECEIVED: .750

QUANTITY INSPECTED: 13.4'

SHEET SIZE ORDERED: N/A

QUANTITY REJECTED: 0

SHEET SIZE RECEIVED: N/A

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y (N)	
CORRECT FINISH	(Y) N	
CORROSION	Y (N)	
CORRECT GRAIN DIRECTION	(Y) N	
CORRECT MATERIAL PER M-DRAWING	(Y) N	AMS 5643
CORRECT THICKNESS	(Y) N	
PHOTO REQUIRED	Y (N)	
CORRECT REF # TO LINK CERT	(Y) N	H# #SC2917-E30
CORRECT MATERIAL IDENTIFICATION	(Y) N	
CORRECT M# ON THE MATERIAL	(Y) N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y (N)	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y (N)	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK.
RECORD RESULTS BELOW

	HRC	HRB	DUR A	DUR D	
TYPE OF MATERIAL					
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING					

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>CB</u> DATE: <u>JUN 13 2017</u>	SIGNED OFF BY: _____ DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL: 17-4 PH / S17400 / TYPE 630 SS ROUND BAR
PER AMS 5643 / ASTM A564
GRAIN MUST BE ALONG LENGTH OF BAR
MINIMUM YIELD TENSILE STRENGTH = 100 KSI
MINIMUM ULTIMATE TENSILE STRENGTH = 150 KSI

SPECIFICATION: ASTM A564

PART NUMBER: M17-4-R1 X.XXX WHERE X.XXX = DIAMETER (IN INCHES)

O.D.

EG. 3.0" DIAMETER BAR = M17-4-R3.000

RELEASED
2010-06-29
JMI

B		REFORMAT DWG. S17400 TYPE 630 ADDED TO PURCHASE MATERIAL (ZND8-1), ADD A564 SPEC (C8-1), REF PAR 08-020A		VS	10.05.20
A		NEW ISSUE		CP	05.03.16
REV.	DESCRIPTION	BY	DATE		
DRAWN	VS			DART AEROSPACE LTD HAMMERSBURY, ONTARIO, CANADA	
CHECKED	VS			REV. B	
MFG APPR.	VS			SHEET 1 OF 1	
APPROVED	VS			SCALE	
DE APPR.	VS			NTS	
DATE	10.05.20	TITLE 17-4 SS ROUND BAR			

THIS DOCUMENT IS THE PROPERTY OF DART AEROSPACE LTD. IT IS TO BE USED FOR THE PURPOSES SPECIFIED IN THE DRAWING AND NOT FOR OTHER PURPOSES. IT IS TO BE RETURNED TO DART AEROSPACE LTD. UPON COMPLETION OF THE PROJECT. IT IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, WITHOUT PERMISSION IN WRITING.

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M2024T35.050

PO / BATCH NO.: 036550/M137762

DATE: JUN 13 2017

MATERIAL CERT REC'D: yes

THICKNESS ORDERED: .050

QUANTITY RECEIVED: 4854ft

THICKNESS RECEIVED: .050

QUANTITY INSPECTED: 4854ft

SHEET SIZE ORDERED: 4x12

QUANTITY REJECTED: 0

SHEET SIZE RECEIVED: 4x12

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <input checked="" type="checkbox"/> N	
CORRECT FINISH	<input checked="" type="checkbox"/> Y N	
CORROSION	Y <input checked="" type="checkbox"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="checkbox"/> Y N	
CORRECT MATERIAL PER M-DRAWING	<input checked="" type="checkbox"/> Y N	45+m B209
CORRECT THICKNESS	<input checked="" type="checkbox"/> Y N	
PHOTO REQUIRED	Y <input checked="" type="checkbox"/> N	
CORRECT REF # TO LINK CERT	<input checked="" type="checkbox"/> Y N	45 # 01/0367462/5
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="checkbox"/> Y N	
CORRECT M# ON THE MATERIAL	<input checked="" type="checkbox"/> Y N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <input checked="" type="checkbox"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <input checked="" type="checkbox"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW				
TYPE OF MATERIAL	HRC	HRB	DUR A	DUR D
SIZE OF TEST SAMPLE				
HARDNESS / DUROMETER READING				

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>CB</u>	SIGNED OFF BY: _____
DATE: <u>JUN 13 2017</u>	DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL: 2024-T3 ALUMINUM SHEET

SPECIFICATION: QQ-A-250/4 OR AMS-QQ-A-250/4

OR AMS 4037
OR ASTM B209

PART NUMBER:

M2024T3S | XXX
THK

WHERE ".XXX" = SHEET THICKNESS (IN INCHES)

EG. 0.063" THICK SHEET = M2024T3S.063

PREFERRED SIZE: .XXX BY 4FT BY 10FT

B	REFORMAT DWG, ADD ASTM B209 SPEC (2N D8-1), PAR	CP	09.07.07
A	NEW ISSUE	DS	01.09.24
REV	DESCRIPTION	BY	DATE
DESIGN			
DRAWN			
CHECKED			
MFG. APPR.			
APPROVED			
DE APPR.			
DATE	09.07.07		
DART AEROSPACE LTD		REV. B	
HAWKESBURY, ONTARIO, CANADA		SHEET 1 OF 1	
DRAWING NO. M2024T3S		SCALE	
TITLE		NTS	
2024-T3 SHEET SPEC			
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RELEASED
2009-09-24
JMP

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M303 RO.500

PO / BATCH NO.: 036550/M137762

DATE: JUN 13 2017

MATERIAL CERT REC'D: yes

THICKNESS ORDERED: .500

QUANTITY RECEIVED: 12'

THICKNESS RECEIVED: .497

QUANTITY INSPECTED: 12'

SHEET SIZE ORDERED: N/A

QUANTITY REJECTED: 0

SHEET SIZE RECEIVED: N/A

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <input checked="" type="checkbox"/> N	
CORRECT FINISH	<input checked="" type="checkbox"/> Y N	
CORROSION	Y <input checked="" type="checkbox"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="checkbox"/> Y N	
CORRECT MATERIAL PER M-DRAWING	<input checked="" type="checkbox"/> Y N	AS+m A582
CORRECT THICKNESS	<input checked="" type="checkbox"/> Y N	
PHOTO REQUIRED	Y <input checked="" type="checkbox"/> N	
CORRECT REF # TO LINK CERT	<input checked="" type="checkbox"/> Y N	4+## 427059
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="checkbox"/> Y N	
CORRECT M# ON THE MATERIAL	<input checked="" type="checkbox"/> Y N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <input checked="" type="checkbox"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <input checked="" type="checkbox"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK.
RECORD RESULTS BELOW

	HRC	HRB	DUR A	DUR D
TYPE OF MATERIAL				
SIZE OF TEST SAMPLE				
HARDNESS / DUROMETER READING				

testers located in the Quality Office

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)	
INSPECTED BY: <u>CB</u> DATE: <u>JUN 13 2017</u>	SIGNED OFF BY: _____ DATE: _____		

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL: AISI 303 SS ROUND BAR
(NOTE: AISI 304/316 NOT ACCEPTABLE)

SPECIFICATION: ASTM A582

PART NUMBER: M303R/D.DDD
DIA.

WHERE "D.DDD" = DIAMETER IN INCHES

EG. 0.75" ROUND BAR = M303R0.750

RELEASED
2010-02-02
JMP

B	REWORK Dwg. ADD SPECS (2N D8-1)	CP	10.01.05
A	NEW ISSUE	DS	01.12.20
REV.	DESCRIPTION	BY	DATE
DESIGN			
DRAWN			
CHECKED			
MFG. APPR.			
APPROVED			
DE APPR.			
DATE	10.01.05		
DART AEROSPACE LTD HAMKESBURY, ONTARIO, CANADA		REV. B SHEET 1 OF 1 SCALE NTS	
DRAWING NO. M303R TITLE 303 ROUND BAR COPYRIGHT © 2001 BY DART AEROSPACE LTD ALL RIGHTS RESERVED. NO PART OF THIS DRAWING OR THE INFORMATION CONTAINED HEREIN IS TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT PERMISSION IN WRITING FROM DART AEROSPACE LTD.			

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M304BA.250X4.000
 DATE: JUN 13 2017

PO / BATCH NO.: 0036550/4137762

MATERIAL CERT REC'D: yes
 QUANTITY RECEIVED: 12'
 QUANTITY INSPECTED: 12'
 QUANTITY REJECTED: 0

THICKNESS ORDERED: .250
 THICKNESS RECEIVED: .250
 SHEET SIZE ORDERED: N/A
 SHEET SIZE RECEIVED: N/A

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <input checked="" type="radio"/> N <input type="radio"/>	
CORRECT FINISH	<input checked="" type="radio"/> Y <input type="radio"/> N	
CORROSION	Y <input type="radio"/> N <input checked="" type="radio"/>	
CORRECT GRAIN DIRECTION	<input checked="" type="radio"/> Y <input type="radio"/> N	
CORRECT MATERIAL PER M-DRAWING	<input checked="" type="radio"/> Y <input type="radio"/> N	ASTM A240
CORRECT THICKNESS	<input checked="" type="radio"/> Y <input type="radio"/> N	
PHOTO REQUIRED	Y <input type="radio"/> N <input checked="" type="radio"/>	
CORRECT REF # TO LINK CERT	<input checked="" type="radio"/> Y <input type="radio"/> N	HF# 512698
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="radio"/> Y <input type="radio"/> N	
CORRECT M# ON THE MATERIAL	<input checked="" type="radio"/> Y <input type="radio"/> N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <input type="radio"/> N <input checked="" type="radio"/>	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <input type="radio"/> N <input checked="" type="radio"/>	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>CB</u> DATE: <u>JUN 13 2017</u>	SIGNED OFF BY: _____ DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL: AISI 304/316 SS BAR OR AISI 304/316 SS PLATE
(NOTE: AISI 303 NOT ACCEPTABLE)

SPECIFICATION: ASTM A276 OR ASTM A240
PART NUMBER: M304B1 TTT |X|WW|WWW|
THICK | WIDTH

WHERE "T, TTT" = THICKNESS IN INCHES
AND "WW, WWW" = WIDTH IN INCHES
EG. 0.5" x 3.0" BAR = M304B0.500X3.000
EG. 0.5" x 12.0" PLATE = M304B0.500X12.000

RELEASED
2010-11-30

C	ADDED PLATE TO PURCHASE MATERIAL, ADDED PLATE FROM 304/316 BAR TO 304/316 BAR PLATE	MB	10.11.25
B	REWORK Dwg. ADD SPECS (2N D8-1), REF PAR 08.02.01	CP	08.07.15
A	NEW ISSUE	PH	05.08.10
REV.	DESCRIPTION	BY	DATE
DESIGN			
DRAWN			
CHECKED			
MFG. APPR.			
APPROVED			
DE APPR.			
DATE	10.11.25		
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DART AEROSPACE LTD. HAWKESBURY, ONTARIO, CANADA			
DRAWING NO. M304B			
TITLE 304/316 BAR/PLATE			
REV. C			
SHEET 1 OF 1			
SCALE NTS			

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M304B.500X12.500
 DATE: JUN 13 2017

PO / BATCH NO.: 1036550/1137760

MATERIAL CERT REC'D: yes
 QUANTITY RECEIVED: 12'
 QUANTITY INSPECTED: 12'
 QUANTITY REJECTED: 0

THICKNESS ORDERED: .500
 THICKNESS RECEIVED: .500
 SHEET SIZE ORDERED: N/A
 SHEET SIZE RECEIVED: N/A

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
CORRECT FINISH	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
CORROSION	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
CORRECT GRAIN DIRECTION	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
CORRECT MATERIAL PER M-DRAWING	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	ASTM A276
CORRECT THICKNESS	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
PHOTO REQUIRED	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
CORRECT REF # TO LINK CERT	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	#1# TR013831
CORRECT MATERIAL IDENTIFICATION	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
CORRECT M# ON THE MATERIAL	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <input type="checkbox"/> N <input checked="" type="checkbox"/>	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <input type="checkbox"/> N <input checked="" type="checkbox"/>	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW				
TYPE OF MATERIAL	HRC	HRB	DUR A	DUR D
SIZE OF TEST SAMPLE				
HARDNESS / DUROMETER READING				

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>EB</u> DATE: <u>JUN 13 2017</u>	SIGNED OFF BY: _____ DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL: AISI 304/316 SS BAR OR AISI 304/316 SS PLATE
(NOTE: AISI 303 NOT ACCEPTABLE)

SPECIFICATION: ASTM A278 OR ASTM A240

PART NUMBER: M304B | TTT | WWW | WWW |
THICK | WIDTH

WHERE "T, TTT" = THICKNESS IN INCHES
AND "WWW, WWW" = WIDTH IN INCHES

EG: 0.5" x 3.0" BAR = M304B0.500X03.000
EG: 0.5" x 12.0" PLATE = M304B0.500X12.000

RELEASED
2010-11-30
M

C	ADDED PLATE TO PURCHASE MATERIAL, ADDED PLATE RELATED SPECIFICATIONS, AND EG: CHANGED TITLE FROM 304/316 BAR TO 304/316 BAR/PLATE	MB	10.11.25
B	REFORMAT DWG, ADD SPECS (2N D6-1)	CP	08.07.15
A	NEW ISSUE	PH	05.06.10
REV		BY	DATE
DESIGN	PH		
DRAWN	5		
CHECKED	CP		
MFG. APPR.	CP		
APPROVED	CP		
DE APPR.	CP		
DATE	10.11.25		
DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA			
DRAWING NO. M304B			
TITLE 304/316 BAR/PLATE			
REV. C			
SHEET 1 OF 1			
SCALE NTS			
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MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M304R 1000

PO / BATCH NO.: 036550/1137763

DATE: JUN 13 2017

MATERIAL CERT REC'D: yes
 QUANTITY RECEIVED: 12'
 QUANTITY INSPECTED: 12'
 QUANTITY REJECTED: 0

THICKNESS ORDERED: 1"
 THICKNESS RECEIVED: .997
 SHEET SIZE ORDERED: N/A
 SHEET SIZE RECEIVED: N/A

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <input checked="" type="checkbox"/> N	
CORRECT FINISH	<input checked="" type="checkbox"/> Y N	
CORROSION	Y <input checked="" type="checkbox"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="checkbox"/> Y N	
CORRECT MATERIAL PER M-DRAWING	<input checked="" type="checkbox"/> Y N	ASTM A276
CORRECT THICKNESS	<input checked="" type="checkbox"/> Y N	
PHOTO REQUIRED	Y <input checked="" type="checkbox"/> N	
CORRECT REF # TO LINK CERT	<input checked="" type="checkbox"/> Y N	HT# 59X8
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="checkbox"/> Y N	
CORRECT M# ON THE MATERIAL	<input checked="" type="checkbox"/> Y N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <input checked="" type="checkbox"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <input checked="" type="checkbox"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW				
TYPE OF MATERIAL	HRC	HRB	DUR A	DUR D
SIZE OF TEST SAMPLE				
HARDNESS / DUROMETER READING				

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>CB</u> DATE: <u>JUN 13 2017</u>	SIGNED OFF BY: _____ DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL: AISI 304/316 SS ROUND BAR
(NOTE: AISI 303 NOT ACCEPTABLE)

SPECIFICATION:

ASTM A276

PART NUMBER:

M304R/D DD
D/A

WHERE "D,DD" = DIAMETER IN INCHES

EG. 0.75" ROUND BAR = M304R0.750

RELEASED
27 Dec 2014

REV.	DESCRIPTION	CP	08.07.15
A	NEW ISSUE	AJS	08.03.03
DESIGN	AJS		
DRAWN	qj		
CHECKED	qj		
MFG. APPR.	MJ		
APPROVED	MJ		
DE APPR.	MJ		
DATE	09.07.15		
DRAWING NO.		REV. B	
M304R		SHEET 1 OF 1	
TITLE		SCALE	
304/316 ROUND BAR		NTS	
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MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M304S209A

PO / BATCH NO.: P036550/M137762

DATE: JUN 13 2017

MATERIAL CERT REC'D: yes

THICKNESS ORDERED: .048

QUANTITY RECEIVED: 6459Ft

THICKNESS RECEIVED: .040

QUANTITY INSPECTED: 6459Ft

SHEET SIZE ORDERED: 4x8

QUANTITY REJECTED: 0

SHEET SIZE RECEIVED: 4x8

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
CORRECT FINISH	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/>	
CORROSION	Y <input type="checkbox"/> N <input checked="" type="checkbox"/>	
CORRECT GRAIN DIRECTION	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/>	
CORRECT MATERIAL PER M-DRAWING	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/>	ASTM A240
CORRECT THICKNESS	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/>	
PHOTO REQUIRED	Y <input type="checkbox"/> N <input checked="" type="checkbox"/>	
CORRECT REF # TO LINK CERT	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/>	Ht #222X
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/>	
CORRECT M# ON THE MATERIAL	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N <input type="checkbox"/>	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <input type="checkbox"/> N <input checked="" type="checkbox"/>	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <input type="checkbox"/> N <input checked="" type="checkbox"/>	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW				
TYPE OF MATERIAL	HRC	HRB	DUR A	DUR D
SIZE OF TEST SAMPLE				
HARDNESS / DUROMETER READING				

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>CB</u>	SIGNED OFF BY: _____
DATE: <u>JUN 13 2017</u>	DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL: AISI 304/316 SS SHEET
ANNEALED

SPECIFICATION:
MIL-S-5059
OR AMS 5613 (304)
OR AMS 5624 (316)
OR ASTM A240
OR ASME SA240

FINISH:

FINISH IDENTIFIER
UNPOLISHED No. 1
UNPOLISHED No. 2D
UNPOLISHED No. 2B
POLISHED No. 3
POLISHED No. 4
BUFFED No. 5
BUFFED No. 6
BUFFED No. 7
BUFFED No. 8

PART NUMBER:

M304S TT GA #P
[GA]

WHERE "TT" = GAUGE THICKNESS
WHERE "#P" = FINISH IDENTIFIER

EG. 16 GAUGE SS SHEET 2B FINISH = M304S16GA
EG. 16 GAUGE SS SHEET No. 4 POLISHED = M304S16GA4P

GAUGE THICKNESS REFERENCE:

GAUGE	NOM. THICK. (IN)	THICKNESS RANGE (IN)
26	0.01875	0.0178 - 0.019
25	0.021875	0.0199 - 0.023
24	0.025	0.024 - 0.026
23	0.028125	0.027 - 0.029
22	0.03125	0.030 - 0.032
21	0.034375	0.033 - 0.035
20	0.0375	0.036 - 0.040
19	0.04375	0.041 - 0.046
18	0.050	0.047 - 0.052
17	0.05625	0.053 - 0.058
16	0.0625	0.059 - 0.065
15	0.0703125	0.066 - 0.072
14	0.078125	0.073 - 0.083
13	0.09375	0.084 - 0.098
12	0.109375	0.099 - 0.114
11	0.125	0.115 - 0.130
10	0.140625	0.131 - 0.145
9	0.15625	0.146 - 0.160
8	0.171875	0.161 - 0.176
7	0.1875	0.182 - 0.194
6	0.2031	0.194 - 0.212
5	0.2188	0.201 - 0.226
4	0.2344	0.225 - 0.243
3	0.2500	0.238 - 0.262
2	0.2656	0.254 - 0.278
1	0.2813	0.269 - 0.293
0	0.3125	0.301 - 0.325



REV.	DESCRIPTION	DATE
D	ADDED GAUGES 0-7.	15.01.06
C	DEFINED FINISH OPTION (ZN C9) AND EXAMPLE OF MATERIAL FIN WITH FINISH OTHER THAN 2B (ZN B5)	12.09.20
B	REFORMAT DWG. ADD ASTM/ASME SPECS (ZN D8-1), ADD GAUGE REF (C9-1), REF PAR 08-020A	09.06.01
A	NEW ISSUE	01.09.24
DESIGN	DESIGN	DATE
DRAWN	AS	
CHECKED	AS	
MFG. APPR.	M304S	
APPROVED	304/316 SS SHEET	
DE APPR.		
DATE	15.01.06	

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RELEASED
2015 FEB 04
Edu 15-122 q

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M6061T6 Bc 375x1,000

PO / BATCH NO.: 036550/M137762

DATE: JUN 13 2017

MATERIAL CERT REC'D: yes

THICKNESS ORDERED: .375

QUANTITY RECEIVED: 40'

THICKNESS RECEIVED: .375

QUANTITY INSPECTED: 40'

SHEET SIZE ORDERED: N/A

QUANTITY REJECTED: 0

SHEET SIZE RECEIVED: N/A

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <input checked="" type="checkbox"/> N	
CORRECT FINISH	Y <input checked="" type="checkbox"/> N	
CORROSION	Y <input checked="" type="checkbox"/> N	
CORRECT GRAIN DIRECTION	Y <input checked="" type="checkbox"/> N	
CORRECT MATERIAL PER M-DRAWING	Y <input checked="" type="checkbox"/> N	ASTM B221
CORRECT THICKNESS	Y <input checked="" type="checkbox"/> N	
PHOTO REQUIRED	Y <input checked="" type="checkbox"/> N	
CORRECT REF # TO LINK CERT	Y <input checked="" type="checkbox"/> N	H# 13121091A
CORRECT MATERIAL IDENTIFICATION	Y <input checked="" type="checkbox"/> N	
CORRECT M# ON THE MATERIAL	Y <input checked="" type="checkbox"/> N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <input checked="" type="checkbox"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <input checked="" type="checkbox"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK.
RECORD RESULTS BELOW

	HRC	HRB	DUR A	DUR D
TYPE OF MATERIAL				
SIZE OF TEST SAMPLE				
HARDNESS / DUROMETER READING				

testers located in the Quality Office

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)	
INSPECTED BY: <u>CB</u>	SIGNED OFF BY: _____		
DATE: <u>JUN 13 2017</u>	DATE: _____		

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR

SPECIFICATION: QQ-A-225/8 OR AMS-QQ-A-225/8 (OR AMS 4117/4128/415/4116)
OR QQ-A-200/8 OR AMS-QQ-A-200/8 (OR AMS 4160)
OR ASTM B211 OR ASTM B221

PART NUMBER:

M6061T6B T.TTT X WWW.WWW/
THICK WIDTH

WHERE "T.TTT" = THICKNESS IN INCHES
"WWW.WWW" = WIDTH IN INCHES

E.G. 1.0" X 12.0" BAR = M6061T6B1.000X12.000

B	REMOVE QQ-A-250/1 OPTION, REFORMAT NOTES, ADD ASTM B211B221 (Zn D7-1)	CP	08.07.13
A	NEW ISSUE	DS	01.06.08
REV.	DESCRIPTION	BY	DATE
DESIGN	DS		
DRAWN	47		
CHECKED	AS		
MFG. APPR.	MS		
APPROVED	MS		
DE APPR.	MS		
DATE	09.07.13		
DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA		REV. B SHEET 1 OF 1 SCALE NTS	

RELEASED
2009-09-03
MS

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MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M661+6B1,500X1,500

PO / BATCH NO.: pc36550/113762

DATE: JUN 13 2017

MATERIAL CERT REC'D: yes

THICKNESS ORDERED: 1,500

QUANTITY RECEIVED: 12

THICKNESS RECEIVED: 1,500

QUANTITY INSPECTED: 12

SHEET SIZE ORDERED: A/A

QUANTITY REJECTED: 0

SHEET SIZE RECEIVED: A/A

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y (N)	
CORRECT FINISH	(Y) N	
CORROSION	Y (N)	
CORRECT GRAIN DIRECTION	(Y) N	
CORRECT MATERIAL PER M-DRAWING	(Y) N	Asm B221
CORRECT THICKNESS	(Y) N	
PHOTO REQUIRED	Y (N)	
CORRECT REF # TO LINK CERT	(Y) N	H# #11091602
CORRECT MATERIAL IDENTIFICATION	(Y) N	
CORRECT M# ON THE MATERIAL	(Y) N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y (N)	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y (N)	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK.
RECORD RESULTS BELOW

	HRC	HRB	DUR A	DUR D
TYPE OF MATERIAL				
SIZE OF TEST SAMPLE				
HARDNESS / DUROMETER READING				

testers located in the Quality Office

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)	
INSPECTED BY: <u>CB</u> DATE: <u>JUN 13 2017</u>	SIGNED OFF BY: _____ DATE: _____		

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL: 6061-T6/T6510/T6511/T62 ALUMINUM BAR

SPECIFICATION: QQ-A-225/8 OR AMS-QQ-A-225/8 (OR AMS 4117/4128/415/4116)
OR QQ-A-200/8 OR AMS-QQ-A-200/8 (OR AMS 4160)
OR ASTM B211 OR ASTM B221

PART NUMBER:

M6061T6B | T.TTT | X | WWW.WWW/

WHERE "T.TTT" = THICKNESS IN INCHES
"WWW.WWW" = WIDTH IN INCHES

E.G. 1.0" X 12.0" BAR = M6061T6B1.000X12.000

B	REMOVE QQ-A-250/11 OPTION, REFORMAT NOTES, ADD ASTM B211/B221 (Zn D7-1)	CP	09.07.13
A	NEW ISSUE	DS	01.06.08
REV	DESCRIPTION	BY	DATE
DESIGN	DS		
DRAWN	47		
CHECKED	AS		
MFG. APPR			
APPROVED			
DE APPR.			
DATE	09.07.13		
DRAWING NO. M6061T6B		REV. B	
TITLE 6061-T6 BAR		SHEET 1 OF 1	
DART AEROSPACE LTD		SCALE NTS	
HAWKESBURY, ONTARIO, CANADA			
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RELEASED
2009-09-03
11/12

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M60616RG.500

PO / BATCH NO.: 036550/113770

DATE: JUN 13 2017

MATERIAL CERT REC'D: yes

THICKNESS ORDERED: .500

QUANTITY RECEIVED: 40'

THICKNESS RECEIVED: .500

QUANTITY INSPECTED: 40'

SHEET SIZE ORDERED: N/A

QUANTITY REJECTED: 0

SHEET SIZE RECEIVED: N/A

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y (N)	
CORRECT FINISH	(Y) N	
CORROSION	Y (N)	
CORRECT GRAIN DIRECTION	(Y) N	
CORRECT MATERIAL PER M-DRAWING	(Y) N	Astm B221
CORRECT THICKNESS	(Y) N	
PHOTO REQUIRED	Y (N)	
CORRECT REF # TO LINK CERT	(Y) N	47 #68724
CORRECT MATERIAL IDENTIFICATION	(Y) N	
CORRECT M# ON THE MATERIAL	(Y) N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y (N)	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y (N)	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK.
RECORD RESULTS BELOW

	HRC	HRB	DUR A	DUR D
TYPE OF MATERIAL				
SIZE OF TEST SAMPLE				
HARDNESS / DUROMETER READING				

testers located in the Quality Office

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)	
INSPECTED BY: <u>CB</u>	SIGNED OFF BY: _____		
DATE: <u>JUN 13 2017</u>	DATE: _____		

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR

SPECIFICATION: QQ-A-225/8 OR AMS-QQ-A-225/8 (OR AMS 4117/4128/415/4116)
OR QQ-A-200/8 OR AMS-QQ-A-200/8 (OR AMS 4160)
OR ASTM B211 OR ASTM B221

PART NUMBER:

M6061T6B T.TT X WWW.WWW
THICK WIDTH

WHERE "T.TT" = THICKNESS IN INCHES
"WWW" = WIDTH IN INCHES

E.G. 1.0" X 12.0" BAR = M6061T6B1.000X12.000

B	REMOVE QQ-A-250/1 (OPTION, REFORMAT NOTES, ADD ASTM B211/B221 (Zn D7-1))	CP	08.07.13
A	NEW ISSUE	DS	01.08.08
REV	DESCRIPTION	BY	DATE
DESIGN	DS		
DRAWN	AS		
CHECKED	AS		
MFG. APPR.	M6061T6B		
APPROVED	TITLE		
DE APPR.	6061-T6 BAR		
DATE	09.07.13		

REV. B
SHEET 1 OF 1
SCALE
NTS

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RELEASED
2009-05-03
JW



DESIGN <i>[Signature]</i>	DRAWN BY <i>[Signature]</i>	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
CHECKED <i>[Signature]</i>	APPROVED <i>[Signature]</i>	DRAWING NO. M1010-S	REV A SHEET 1.. OF 1..
DATE 01.06.13		TITLE 1010-1025 SHEET	SCALE N15
A	01.06.13	NEW ISSUE	
A1	04.03.09 <i>[Signature]</i>	ADD ASTM A1008 AND COLD ROLLED	

PURCHASE MATERIAL:

pecy
ASTI 1010-1025 OR ASTM ~~A36~~ A366/A1008
OR CSA G40-21, 38W/44W/50W/60W/70W

MINIMUM YIELD TENSILE STRENGTH = 28 ksi

MINIMUM ULTIMATE TENSILE STRENGTH = 42 ksi

COLD ROLLED

PART NUMBER:

M1010-S | TT | GA WHERE TT = GAUGE THICKNESS
 | GA |

EG. 16 GAUGE STEEL = M1010-S16GA

RELEASED
[Signature]

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Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO36550**

Purchase Order Date 6/2/2017

PO Print Date 6/5/2017

Page Number 1 of 7

Order From :

VC-CAM002

Ship To : DART AEROSPACE LTD

ACIER OUELLETTE INC.
935 BOUL. DU HAVRE
VALLEYFIELD, QC J6S 5L1
CA

1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name

Vendor Phone 800 667 4248

Ship To Contact

Ship To Phone

Ship Via: Yours ppd

Ship Acct:

Buyer

Chantal Lavoie

Customer POID

Customer Tax # 10127-2607

Terms

Net 30

Currency

CAD

FOB

FCA - (Free Carrier)

Line Nbr	Reference Vendor Part Number Line Comments Delivery Comments	Description/ Mfg ID	Req Date/ Taxable Promise Date	CD	Req Qty/ Unit of Measure	PO Unit Price	Extended Price
1	M1010S.125	1010-1025 sheet .125	6/8/2017 Yes 6/8/2017		32.00 sf	\$2.65	\$84.72

MATERIAL: AISI 1010-1025 OR ASTM A36/A366/A1008 OR CSA G40-21, 38W/44W/50W/60W/70W
MINIMUM YIELD TENSILE STRENGTH = 28KSI
MINIMUM ULTIMATE TENSILE STRENGTH = 42 KSI
COLD ROLLED

SP17-6-12

Line Total: \$84.72

2	M174B0.250X4.000	17-4 BAR 0.250" X 4.000"	6/21/2017 Yes 6/21/2017		12.00 f	\$31.83	\$382.00
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MATERIAL: 17-4 PH SS BAR AS PER AMS 5604 / 5643
GRAIN DIRECTION MUST BE ALONG LENGTH
MINIMUM YIELD TENSILE STRENGTH = 100KSI
MINIMUM ULTIMATE TENSILE = 150 KSI

Line Total: \$382.00

PO Instructions: quotation sou0036564

Note:

6/5/2017



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO36550

Purchase Order Date 6/2/2017

PO Print Date 6/5/2017

Page Number 2 of 7

Order From :

VC-CAM002

ACIER OUELLETTE INC.
935 BOUL. DU HAVRE
VALLEYFIELD, QC J6S 5L1
CA

Ship To : DART AEROSPACE LTD

1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name

Vendor Phone 800 667 4248

Ship To Contact

Ship To Phone

Ship Via: Yours ppd

Ship Acct:

Buyer

Chantal Lavoie

Customer POID

Customer Tax # 10127-2607

Terms Net 30

Currency CAD

FOB FCA - (Free Carrier)

3	M174R0.750	17-4 round bar .750	6/8/2017 Yes 6/8/2017	12.00 f	\$8.17	\$98.00
---	------------	---------------------	-----------------------------	------------	--------	---------

17-4PH/S17400/TYPE 630 SS ROUND BAR PER AMS 5643/ASTM A564
GRAIN MUST BE ALONG LENGTH OF BAR. MINIMUM YIELD TENSILE STRENGTH = 100KSI
MINIMUM ULTIMATE TENSILE STRENGTH = 150 KSI

Line Total: \$98.00

4	M2024T3S.050	2024-T3 .050 sheet	6/8/2017 Yes 6/8/2017	48.00 sf	\$6.95	\$333.59
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MATERIAL: 2024-T3 ALUMINUM SHEET
AS PER QQ-A-250/4 OR AMS-QQ-A-250/4 OR AMS 4037
OR ASTM B209

Line Total: \$333.59

5	M303R0.500	303 Round Bar 0.500"	6/8/2017 Yes 6/8/2017	12.00 f	\$2.57	\$30.89
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MATERIAL: AISI 303 SS ROUND BAR AS PER ASTM A582

NOTE: AISI 304/316 NOT ACCEPTABLE

PO Instructions: quotation sou0036564

Note:

6/5/2017



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO36550**

Purchase Order Date 6/2/2017

PO Print Date 6/5/2017

Page Number 3 of 7

Order From :

VC-CAM002

Ship To : DART AEROSPACE LTD

ACIER OUELLETTE INC.
935 BOUL. DU HAVRE
VALLEYFIELD, QC J6S 5L1
CA

1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name

Vendor Phone

800 667 4248

Ship To Contact

Ship To Phone

Ship Via:

Yours ppd

Ship Acct:

Buyer

Chantal Lavoie

Customer POID

Customer Tax #

10127-2607

Terms

Net 30

Currency

CAD

FOB

FCA - (Free Carrier)

Line Total: \$30.89

6	M304B0.250X4.000 ✓	304 BAR .250 x 4.00 ✓	6/8/2017 Yes 6/8/2017	12.00 ✓ f	\$9.93	\$119.12
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MATERIAL: AISI 304/316 SS BAR OR AISI 304/316 SS
AS PER ASTM A276 OR ASTM A240

NOTE: AISI 303 NOT ACCEPTABLE

Line Total: \$119.12

7	M304B0.500X2.500 ✓	304 BAR .500 x 2.50 ✓	6/8/2017 Yes 6/8/2017	12.00 f	\$12.92	\$155.00
---	--------------------	-----------------------	-----------------------------	------------	---------	----------

MATERIAL: AISI 304/316 SS BAR OR AISI 304/316 SS
AS PER ASTM A276 OR ASTM A240

NOTE: AISI 303 NOT ACCEPTABLE

Line Total: \$155.00

12.1"
SP17-612

PO Instructions: quotation sou0036564

Note:

6/5/2017



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO36550**

Purchase Order Date 6/2/2017

PO Print Date 6/5/2017

Page Number 4 of 7

Order From :

VC-CAM002

Ship To : DART AEROSPACE LTD

ACIER OUELLETTE INC.
935 BOUL. DU HAVRE
VALLEYFIELD, QC J6S 5L1
CA

1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name

Vendor Phone 800 667 4248

Ship To Contact

Ship To Phone

Ship Via: Yours ppd

Ship Acct:

Buyer

Customer POID

Customer Tax #

Terms

Currency

FOB

Chantal Lavoie

10127-2607

Net 30

CAD

FCA - (Free Carrier)

8	M304R1.000 ✓	304 round bar 1.00 ✓	6/8/2017 Yes 6/8/2017	12.00 ✓ f	\$8.49	\$101.87
---	--------------	----------------------	-----------------------------	--------------	--------	----------

MATERIAL: AISI 304/316 SS ROUND BAR AS PER ASTM A276

(NOTE: AISI 303 NOT ACCEPTABLE)

Line Total: **\$101.87**

9	M304S20GA ✓	304/316 .040 Sheet ✓	6/8/2017 Yes 6/8/2017	64.00 ✓ sf	\$3.91	\$250.14
---	-------------	----------------------	-----------------------------	---------------	--------	----------

PURCHASE MATERIAL: AISI 304/316 SS SHEET
ANNEALED
SPECIFICATION: MIL-S-5059
OR AMS 5513 (304)
OR AMS 5524 (316)
ORASTMA240
OR ASME SA240

Line Total: **\$250.14**

PO Instructions: quotation sou0036564

Note:

6/5/2017



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO36550**

Purchase Order Date 6/2/2017

PO Print Date 6/5/2017

Page Number 5 of 7

Order From :

VC-CAM002

Ship To : DART AEROSPACE LTD

ACIER OUELLETTE INC.
935 BOUL. DU HAVRE
VALLEYFIELD, QC J6S 5L1
CA

1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name

Vendor Phone 800 667 4248

Ship To Contact

Ship To Phone

Ship Via: Yours ppd

Ship Acct:

Buyer

Customer POID

Customer Tax #

Terms

Currency

FOB

Chantal Lavoie

10127-2607

Net 30

CAD

FCA - (Free Carrier)

10	M6061T6B0.375X01.000	6061T6 BAR .375 x 1.00	6/8/2017	40.00	\$1.12	\$44.81
			Yes	f		
			6/8/2017			

MATERIAL: 6061-T6/T6510/T6511/T62 ALUMINUM BAR
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR
ASTM B221

Line Total: \$44.81

11	M6061T6B1.500X02.500	6061-T6 Bar 1.50 x 2.50	6/8/2017	12.00	\$13.22	\$158.59
			Yes	f		
			6/8/2017			

MATERIAL: 6061-T6/T6510/T6511/T62 ALUMINUM BAR
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR
ASTM B221

Line Total: \$158.59

12	M6061T6B2.000X01.250	6061-T6 Bar 2.00 x 1.25	6/8/2017	12.00	\$9.38	\$112.53
			Yes	f		
			6/8/2017			


MATERIAL: 6061-T6/T6510/T6511/T62 ALUMINUM BAR
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR
ASTM B221

PO Instructions: quotation sou0036564

Note:

6/5/2017

88176-12



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO36550

Purchase Order Date 6/2/2017
PO Print Date 6/5/2017

Page Number 6 of 7

Order From :
ACIER OUELLETTE INC.
935 BOUL. DU HAVRE
VALLEYFIELD, QC J6S 5L1
CA


VC-CAM002

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name		Buyer		Chantal Lavoie		
Vendor Phone		Customer POID				
800 667 4248		Customer Tax #		10127-2607		
Ship To Contact		Terms		Net 30		
Ship To Phone		Currency		CAD		
Ship Via:		FOB		FCA – (Free Carrier)		
Yours ppd						
Ship Acct:						
					Line Total:	\$112.53
13	M6061T6R0.500	6061-T6 Round Bar .500"	6/8/2017	40.00	\$0.58	\$23.37
			Yes	f		
			6/8/2017			
MATERIAL: 6061-T6/T6510/T6511/T62 ALUMINUM ROUND BAR						2x
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116						
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR						
ASTM B221						
					Line Total:	\$23.37
14	M6061T6R0.563	6061-T6 ROUND BAR .563	6/8/2017	20.00	\$0.97	\$19.49
			Yes	f		
			6/8/2017			
MATERIAL: 6061-T6/T6510/T6511/T62 ALUMINUM ROUND BAR						Split 6-12
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116						
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR						
ASTM B221						
					Line Total:	\$19.49

PO Instructions: quotation sou0036564

Note:



Dart Aerospace Ltd.
 1270 Aberdeen Street
 Hawkesbury, ON K6A 1K7
 Tel: 613 632 9577
 Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO36550

Purchase Order Date 6/2/2017
PO Print Date 6/5/2017

Page Number 7 of 7

Order From :
 ACIER OUELLETTE INC.
 935 BOUL. DU HAVRE
 VALLEYFIELD, QC J6S 5L1
 CA

VC-CAM002

Ship To : DART AEROSPACE LTD
 1270 ABERDEEN
 HAWKESBURY, ON K6A 1K7
 CANADA

Contact Name		Buyer	Chantal Lavoie
Vendor Phone	800 667 4248	Customer POID	
		Customer Tax #	10127-2607
Ship To Contact		Terms	Net 30
Ship To Phone		Currency	CAD
Ship Via:	Yours ppd	FOB	FCA – (Free Carrier)
Ship Acct:			

15	71401-45	PROCUREMENT QUALITY CLAUSES	✓	6/8/2017	1.00	✓	\$0.00	\$0.00
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Procurement Quality Clauses
 A005 right of entry
 A012 chemical and physical test report
 A016 personnel qualification
 A017 raw material identification (as applicable)
 A026 certification of material conformance
 A041 quality management system
 A042 dart notification by supplier
 A043 retention of quality documents

No
 6/8/2017

597-6-12.

Line Total: \$0.00

PO Total: \$1,914.12

PO Instructions: quotation sou0036564

Note: Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Change Nbr: 3 **Change Date:** 6/5/2017